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The CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2

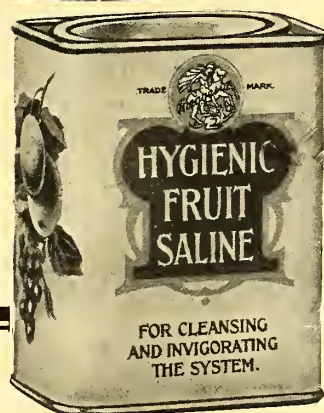
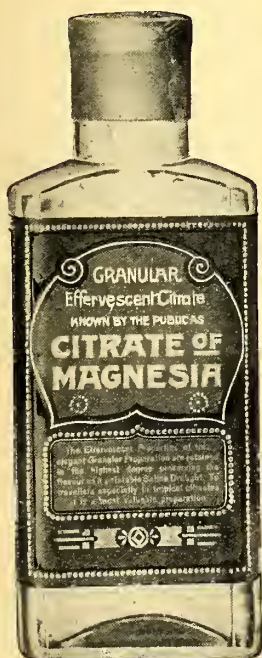
Registered as a Newspaper

No. 2888
VOL. CXXII

JUNE 15, 1935

Annual Subscription (with
Diary) 20/- Single Copies 9d.

SUMMER-SELLING-LINES



OF MEGGESON QUALITY

MEGGESON & CO., LTD.

ESTABLISHED IN THE REIGN OF KING GEORGE III.

LONDON, S.E.16

Telephone : Bermondsey 1741-1742 Telegrams : Meggeson, Southpark, London.

WRITE OR 'PHONE
FOR QUOTATIONS
FOR QUANTITIES

THE PEROXIDE OF LASTING STRENGTH



SEND
FOR
TERMS

PARKE, DAVIS & CO., 50, BEAK STREET, LONDON. W.1

KURBOIL TABLETS

A preparation consisting of Tin and Tin Oxide, for oral administration in the treatment of Boils

*You can't be beautiful
with a spotty face!*

TAKE

**KURBOIL
TABLETS**

AND
BE FREE

from
SPOTS · PIMPLES
BOILS
ACNE · STYES
CARBUNCLES

Prevent days of suffering!

SHOWCARDS AS **ILLUSTRATED** **FREE FOR WINDOW DISPLAY**

Tubes of 50 cartoned, packed in one dozen
show outsers, per 7/6 dozen

RETAIL **1/3** TUBE



ARTHUR H. COX & Co. Ltd

Manufacturing Chemists

BRIGHTON

BOB MARTIN'S

Bob Martin advertisements are now appearing regularly in all the leading papers and magazines. This campaign, which includes a series of half-pages in the Daily Mail, Daily Express and News-Chronicle, carries more than 300,000,000 separate Bob Martin advertisements and is the biggest advertising campaign which has ever been launched for dog medicines

When your dog is listless and sulky... don't blame the Heat

It's the neglected dog that suffers... the conditioned dog is safe

WHEN, on a hot day, you find your dog listless and off his food, you may be tempted to blame the heat.

But the trouble is due not so much to the heat as to your neglect, for listlessness and loss of appetite are sure signs that you have failed to provide your dog with the blood correctives so vital to his well-being.

Why, you may ask, does a dog need blood correctives? Why, indeed, does he need anything more than regular feeding and exercise? First you must know that a dog's health depends upon the purity of his blood. Now most prepared foods, especially those rich meals which many thoughtless people give their dogs, load the blood-stream with impurities. Your dog cannot rid himself of these impurities—his non-porous skin will not allow him to perspire them away, and his domesticated life with you denies him the blood correctives provided by Nature in certain wild grasses and herbs.

Imagine, then, the effect upon your dog of a sultry summer's day. In the heat sun he overheats and increased, and his blood are aggravated and increased, and in a few hours he is completely out of condition. He is well on the way to more serious blood disorders.

Now you see why correct conditioning of the blood is as vital to your dog's health as regular feeding and exercise. He depends upon you to keep him fit by providing him regularly with the

natural blood correctives in Bob Martin's Condition Powders. No other treatment will restore so safely and surely his sparkling zest for life.

Do not wait for the obvious signs of poor condition, such as listlessness, loss of appetite, scratching and loose coat. Begin now to condition your dog correctly with Bob Martin's Condition Powders at morning, noon and night every Saturday and every Sunday. Then his blood will be always pure, and in his keen appetite and lively manner you will see the perfect health which regular conditioning bestows. Bob Martin's Condition Powders purify the blood in a natural way, preventing all blood disorders such as loss of appetite, listlessness, loose coat, continual scratching, eczema and eczema-gout.

Sold everywhere in packets of 9 pouders 6d.; boxes of 21 pouders 1/6.

Why heat plays havoc with unconditioned dogs

This amplified photograph shows the difference between pure skin (A) and a dog's skin (B). Because the perspiration ducts (see in skin (B)) are entirely closed for dogs to rid themselves of dogs, it is impossible for perspiration. Unless your dog is correctly conditioned the warmer weather of blood impurities which aggravates and increases dog's heat impurities. Surely but surely he cannot overheat which aggravates and increases these blood impurities. Surely but surely he cannot overheat which aggravates and increases these blood impurities. Surely but surely he cannot overheat which aggravates and increases these blood impurities.



Give your dog lasting fitness and a lovelier coat... let him be a regular beggar for!

BOB MARTIN'S
TASTELESS
CONDITION POWDERS

This summer, concentrate with

COTY

on

EAU-DE-COLOGNE

(CORDON ROUGE)

AND TAKE ADVANTAGE OF THIS

Special Offer!



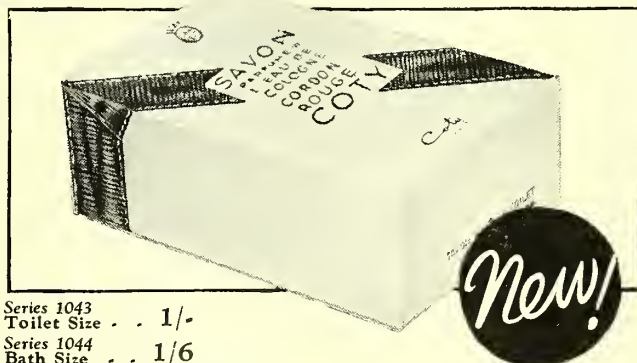
C.75 PARCEL

			£	s.	d.
12	1oz. bottles series	2907 @	1/6d.	0	18 0
6	2oz. " "	2906 @	2/6d.	0	15 0
4	4oz. " "	2905 @	4/6d.	0	18 0
3	8oz. " "	2904 @	7/6d.	1	2 6
2	16oz. " "	2903 @	12/6d.	1	5 0
1	32oz. " "	2902 @	21/0d.	1	1 0
			5 19 6		
			Less 35%		
			2 11 10		
			3 17 8		

SPECIAL PRICE 75'.

FREE: 1 Display Stand to hold range of Eau de Cologne sizes 1 6d. to 7/6d. and one Demonstration Bottle for sampling.

To that splendid seller, Coty Eau de Cologne, is now added a Toilet Soap in two sizes fresh with the fragrance of the purest Eau de Cologne. Feature them both prominently in your windows and on your counters — during the months of dusty travel, stifling heat and shopping fatigue it will pay you handsomely.



Series 1043
Toilet Size . . 1/-
Series 1044
Bath Size . . 1/6
Individually boxed

Coty

MEANS BUSINESS

COTY (ENGLAND) LTD., 3 Stratford Place, London, W.1. 'Grams: Paricoty, Phone, London. 'Phone: Mayfair 7244-9 (6 lines)

C.F.H.23

Why MARSHALL'S



LYSOL

the
answer
is in
your **TILL**

Why sell a cheap Lysol—it is neither good for your reputation, nor for your profits. Every time you sell a customer a 4-oz. bottle of MARSHALL'S Lysol, your till registers 1/- instead of 6d. or less, and your profit is twice as much. Most of your customers already **KNOW** the name Marshall's—they will respect your judgment all the more if you explain that Marshall's is the best—and your till will prove that it is worth your while to do so.

Here are three selling points of MARSHALL'S Lysol:

1. The name guarantees the *highest* quality.
2. Every bottle is of the highest standard of germicidal efficiency.
3. It is non-irritant, non-alkaline and clear in solution.

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YOUR NEW SHOP

Here's Luck! and don't forget the side-lines
D. & P. for instance

You will need someone to develop and print for you. Someone who realizes that a satisfied photographic customer is a potential customer for everything else you sell. May I recommend my firm? We have been doing this work for over fifteen years and Chemists all over the country are our satisfied customers.

We cannot give you a six-hour service, but the fact that you do not rush your work can very easily be turned into quite an effective selling point.

If you are already in business for yourself and your present D. & P. service is satisfactory, well and good. If not, send a sample order along. There will be no charge and you will get the finished work back by return post.

The SWIFTSURE
Photographic Works Ltd.

SUTTON COLDFIELD
WARWICKSHIRE
(Central for Everywhere)

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Everything in Photographics

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ALL DEALERS

ON THE APPROVED LIST OF THE

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We carry stocks of

"CORONET" "ENSIGN"
"SOHO" and other Cameras,
"AGFA," "ENSIGN," "SELO,"
and other films

WRITE FOR PRICE LIST

*Please remember that all your requirements may be
obtained from*

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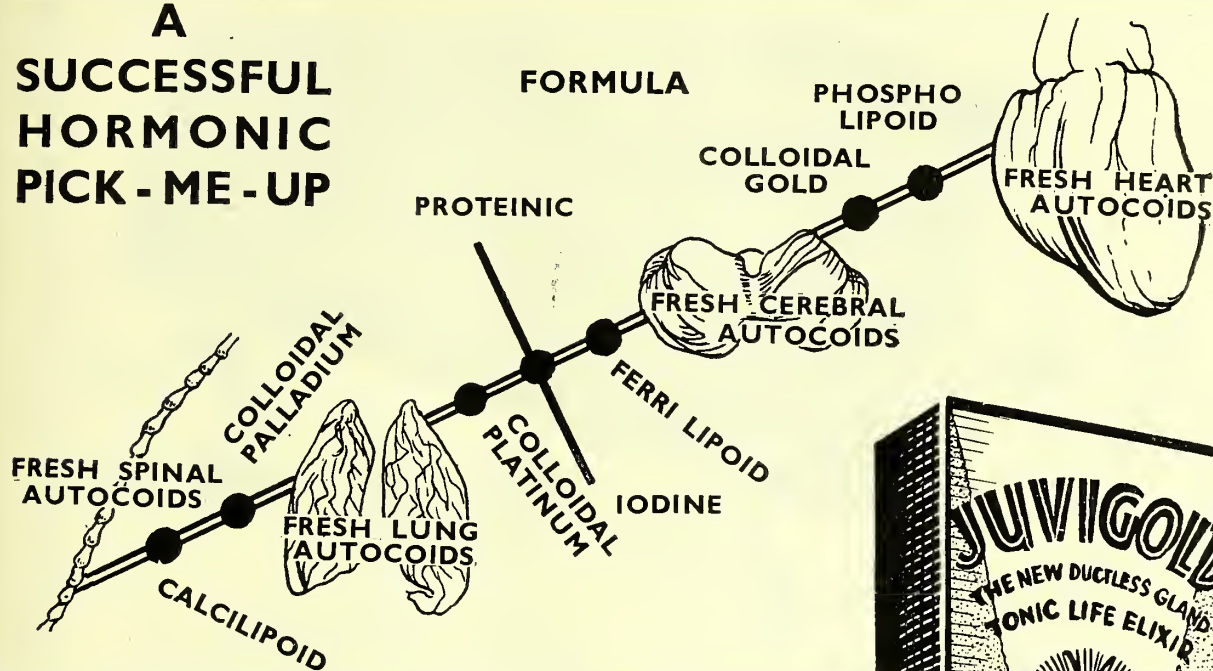
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DRUGGISTS, 1921)

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Telegrams: 'Drugs' L'pool. Telephone: Royal 1434 (6 lines)

A SUCCESSFUL HARMONIC PICK-ME-UP



IF THE GLANDS

do not function properly they can affect the health in a hundred different ways; the imperfect working of one or more is the cause of most complaints.

MANY RECURRENT ILLNESSES

and ailments and much human misery can be traced to a ROOT CAUSE—a defect in the GLANDULAR RHYTHM.

JUVIGOLD

BRAND

DUCTLESS GLAND TONIC

P.A.T.A.

3/- 5/- 12/-

27/- 45/- 108/-

USUAL WHOLESALE OR DIRECT

(Generous Bonus Terms)

THE MIDDLESEX LABORATORY OF GLANDULAR RESEARCH LTD.
21 - FARRINGDON AVENUE - LONDON - E.C.4

TELEPHONE: CENTRAL 1901

TELEGRAMS: GLANDOC, LUD, LONDON



OUR ADVERTISING CAMPAIGN WILL CREATE A BIGGER DEMAND THAN EVER

Get ready to enjoy your share in the profits from Julysia's great sales drive. Generous terms ensure you good profit on every sale, while Julysia's superior quality guarantees constant "repeats."

IS PACKED IN THREE SIZES

6d. size @ 4/- dozen 1/- size @ 8/- dozen
1/6 size @ 12/- dozen

BONUS TERMS:

Thirteen bottles to the dozen for 1/- and 1/6 sizes only.

Special Carriage-Paid Parcels ON BONUS TERMS:

No. 1 PARCEL. 4 dozen 1/- size.

With FREE BONUS of 4 x 1/- bottles.

No. 2 PARCEL. 3 dozen 1/- size 1 dozen 1/6 size.

With FREE BONUS of 3 x 1/- and 1 x 1/6 bottles



JULYSIA HAIR CREAM

A product of Jules Freres, Ltd.,
Perfumers, 154-164 Walworth Rd., S.E.17
BEAUTIFUL AND ATTRACTIVE SHOWCARDS

A Photographic Revival

"COMET" Celluloid Roll Films

No. 20 (Size $2\frac{1}{4} \times 3\frac{1}{4}$) 4 exposures 6d.

● WHY HAS AMATEUR PHOTOGRAPHY BEEN ON THE WANE FOR SEVERAL YEARS ?

Because investigation proves emphatically that it is too expensive. The spending power of the public that matters is limited and this is particularly applicable to the youth of the country who are the owners of hundreds of thousands of UNUSED cameras which have been acquired without any actual cash payment—coupons, free gifts, &c.

● WHAT DO THEY FIND ?

That 1/- for a spool of films plus 1/10 for developing and prints is quite beyond their means. They can go to the "flicks" six times for the same money.

● HOW THEN CAN THIS HOBBY OF HOBBIES BE GIVEN A NEW LEASE OF LIFE ?

Surely the answer is obvious. Make the initial expense at any rate within reach of the public pocket. The 6d. roll film is undoubtedly the solution and is the only chance Amateur Photography has of coming into its own again.

It should not interfere with the 8 exposure trade, but will tend to increase sales all round and give a very necessary fillip to the developing and printing side of the business which after all yields much more profit than the sale of films.

Write at once for sample film and terms :

PHOTOGRAPHIC FILM MANUFACTURERS LTD
RICKMANSWORTH, HERTS

The Annual Special Issue
OF

THE CHEMIST AND DRUGGIST

will be published on June 29, 1935

It will contain, in addition to the usual advertisements, Supplements printed in Two-colour Letterpress—Black and Red and Black and Green—on Buff imitation art paper. Half-tone and line blocks print perfectly on this paper.

The Proprietary Section

in this Issue is reserved for announcements regarding medicinal proprietary articles, branded food products, and specific trade accessories of recognised merit.

Advertisers wishing to avail themselves of special announcements in these attractive forms are requested to communicate promptly with THE PUBLISHER,

THE CHEMIST AND DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C. 2

Phone : Central 6565 (10 lines).

Grams : "CHEMICUS, ESTRAND, LONDON."

Branch Offices :

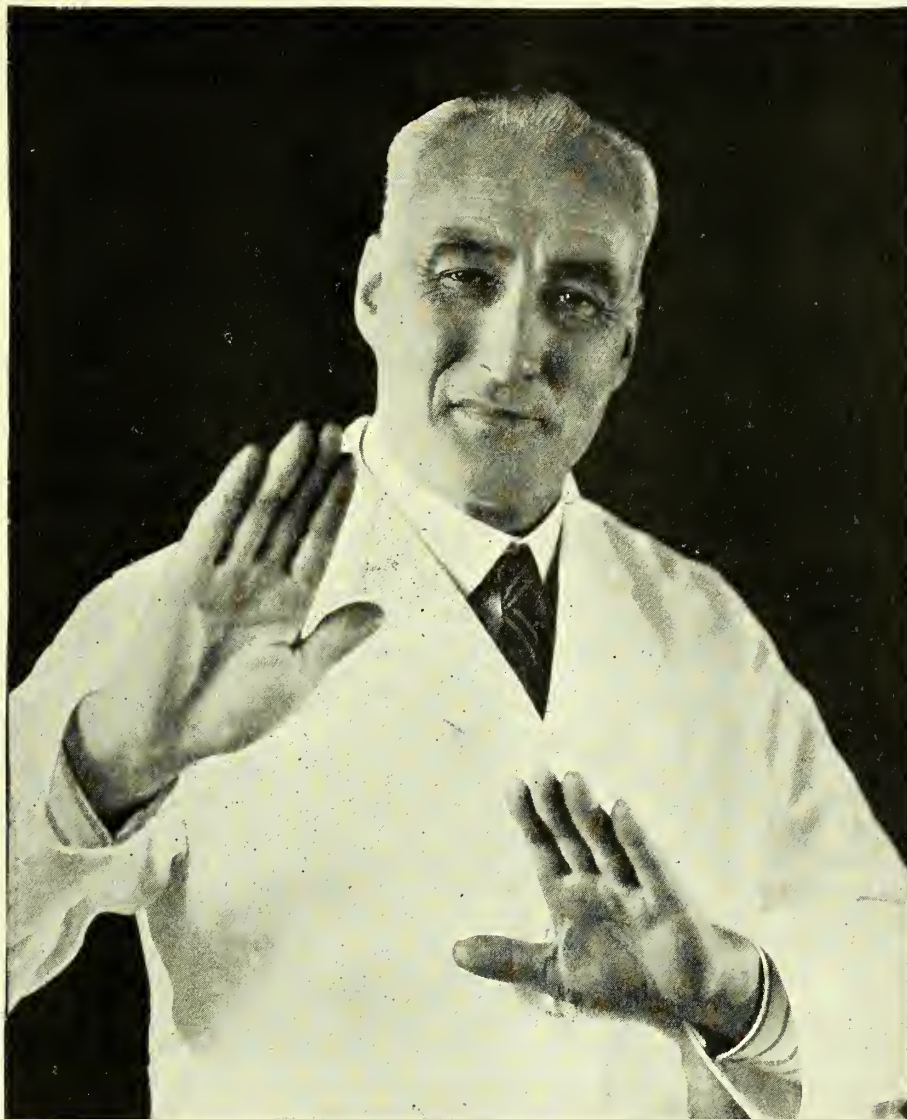
49 County Buildings, 4 Cannon St.,
MANCHESTER

19 Waterloo St.,
GLASGOW

54 Fosters Buildings, High St.,
SHEFFIELD

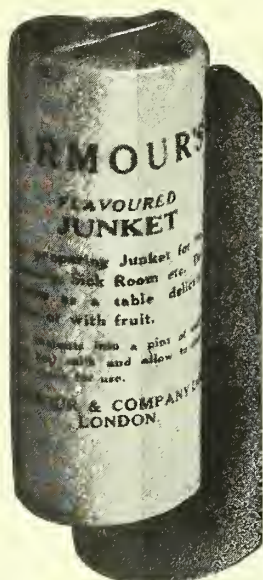
155 Ave. de Wagram,
PARIS

Plantage Franschelaan 32
AMSTERDAM



**NO! IT PAYS ME TO BUY FROM
MAW'S—THEY STILL GIVE A
STRONG MEASURE OF PROTECTION**

● ADVERTISEMENT OF S. MAW, SON & SONS, LTD.—SUNDRIES MANUFACTURERS
AND SPECIALISTS OF REPUTE—7-12 ALDERSGATE STREET, LONDON, E.C.1



ARMOUR'S FLAVOURED JUNKET

A NEW PREPARATION TO CREATE NEW SALES

EASY TO PREPARE
A DELICIOUS
SWEETENED AND
FLAVOURED JUNKET
FOR THE SICKROOM
NURSERY & TABLE

•
ADD CONTENTS TO
A PINT OF WARM
MILK — STIR GENTLY
AND ALLOW TO COOL

**3 1/2
oz
EACH**



**BOX
OF
24**

ARMOUR & COMPANY LTD.

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LONDON

TELEPHONE: - - NATIONAL 2424

Evans'

Ferri et Ammonii Citras

Immediately soluble
to a brilliant solution.

Scales of a translucent ruby red, conforming to
the British Pharmacopœia.

Garnets of a brilliant glistening hue, free from
dust.

The garnets are B.P. in all respects other
than physical form.

Both forms remain bright with Magnesium
Sulphate.

Samples on application.

EVANS SONS LESCHER & WEBB LTD.

Manufacturers of fine Chemicals, Pharmaceutical and Biological Products

LIVERPOOL

LONDON, E.C.1

DUBLIN

New SHOWCARDS in colours

Available for all **Rexall** CHEMISTS

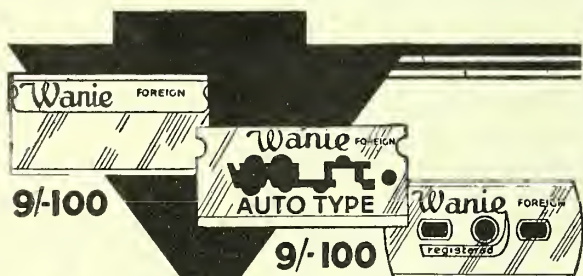


Rexall Beauty Milk and Wave Setting Lotion met with tremendous success last season. These two new cards will help YOUR sales this year!

Enquiries from districts not covered by a Rexall Agency will receive every attention.



UNITED DRUG COMPANY LTD., NOTTINGHAM



WANIE

The Blade for Every Razor!

Send for Samples to Dept. C D.

LONDON & PROVINCIAL FACTORS, LTD.

146 THEOBALDS ROAD, W.C.1

and at
16 WITHY GROVE, MANCHESTER

Enquiries from Irish Free State invited
Wholesalers are invited to apply for Trade Terms



We shall welcome your enquiries for

SHAVING CREAMS

POMADE HONGROISE

POWDERED SOAP

SHAMPOO POWDERS

A. GIDLOW & CO. BROOM LANE, LEVENSHULME, MANCHESTER

Telephone No.: Rusholme 2676

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We have been supplying Contraceptives of all kinds now for over 30 years and our well-known Safeguard & Empire Brands are still as popular as ever. THESE FACTS SPEAK FOR THEMSELVES and prove the confidence we have secured which is the fundamental principle in selling these goods.

All our Brands are guaranteed to be of the finest manufacture. Write for complete Price List and Samples.

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91-92 Great Saffron Hill, London, E.C.1

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FOR THE

S.M.C., B.O.A. and N.A.O. DIPLOMA Examinations

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F. MAUND & E. BERG (SHOWCASES) Ltd.

SHOPFITTERS & SHOPFRONT BUILDERS
175/9 OLD STREET, LONDON, E.C.1
Telephone : Clerkenwell 1782 3

are offering for sale, at competitive prices, an extensive and exceptionally full range of Chemists' Fittings, Second-hand and New.

Still More
Camilatone
ADVERTISING!

13,545,770
TÖNRINZ
ADVERTISEMENTS

Starting July!

NOT only is the Camilatone Advertising this year far bigger and more powerful than it has ever been but it continues to grow in power. For in addition to the campaigns already running, an extensive campaign for Tonrinz—to the tune of 13,545,770 advertisements—will start next month. Camilatone campaigns will thus reach the stupendous total of 234,055,765 advertisements appearing unceasingly through the year. One big factor *must* result from this tremendous publicity effort—bigger and bigger sales for Camilatone products. Link up—stock and display ALL Camilatone lines and make sure of your share of the increased business.

This striking Display Container provides an excellent counter unit—printed in 3 colours, displaying 1 dozen capsules each. Display it prominently—it will make sales for you.

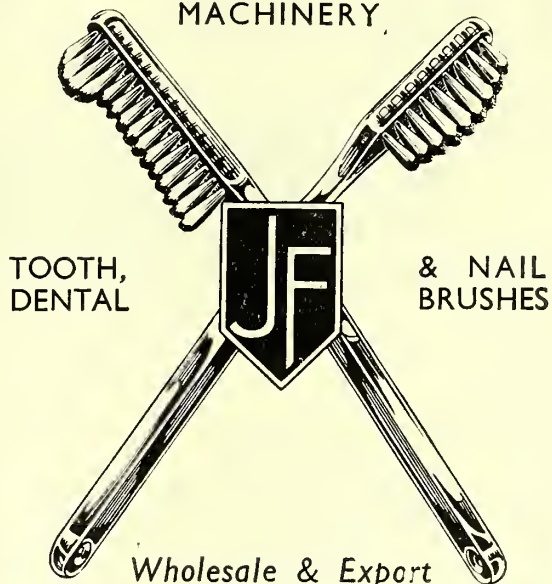


Camilatone Campaigns
now reach
STUPENDOUS TOTAL OF
234,055,765
ADVERTISEMENTS

CAMILATONE LTD., WELSH HARP, HENDON, LONDON, N.W.9

Toothbrush Manufacturers to the Wholesale

COMPREHENSIVE RANGE OF
ALL QUALITIES MADE BY
HIGH-SPEED MODERN
MACHINERY.



Wholesale & Export
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An INFRINGEMENT OF BRYLCREEM TRADE MARK an INJUNCTION AND AN APOLOGY

IN THE HIGH COURT OF JUSTICE CHANCERY DIVISION
MR. JUSTICE LUXMOORE at Chambers

WEDNESDAY the 1st day of MAY 1935

BETWEEN

THE COUNTY CHEMICAL CO. LTD.

Plaintiffs

(County Perfumery Co.)

and

WALTER BIGLAND sued as W. Bigland

Defendant

(Male) Trading as Biglands.

AN Injunction was granted whereby **IT IS ORDERED** that the Defendant his servants and agents be perpetually restrained from infringing the Plaintiffs trade mark numbered 487499 "Brylcreem" registered in Class 48 by using the same in connection with the sale of hair cream and the like

AND IT IS ORDERED that the Defendant deliver up to the Plaintiffs all the Plaintiffs' bottles and caps in his possession the sale of which would constitute a breach of the injunction granted by this Order.

DEFENDANT'S APOLOGY

"You have commenced an action against me claiming an Injunction to restrain me from infringing your trade mark Number 487499 "Brylcreem" registered in Class 48 by using the same in connection with the sale of hair cream and the like. You also claim delivery up of all material the possession of which will constitute a breach of the above Injunction and an enquiry as to the damages you have sustained and will continue to sustain by reason of the infringement.

I now confess that I have sold your bottles of hair cream and at the time of sale informed customers that I would pay them 2d. providing the bottle was returned to me empty complete with cap. I also confess that I have resold your bottles and caps containing hair cream manufactured by me at a lower price than your cream, notwithstanding that the bottles were clearly embossed with your registered trade mark "Brylcreem" and that the caps to such bottles bear a clear indication that they were protected as a registered design.

I am very sorry that I have infringed your registered trade mark "Brylcreem" and the registered design of your cap to the bottle and I tender you my sincere apologies therefor.

I undertake to hand over to you all bottles and caps which have previously contained your hair cream and undertake not to sell your hair cream in the future under any circumstances which would result in anyone securing your hair cream at a price lower than your fixed prices or to repurchase or utilise your bottles which have previously contained your cream or to apply your registered design caps of your bottles to any other article than your bottles containing your hair cream.

Payment towards your costs of the action and the charges for the publishing of this apology has already been made and I consent to the publication hereof."

18th May 1935

(Signed) W. BIGLAND

8-10 Northam Road, Southampton.

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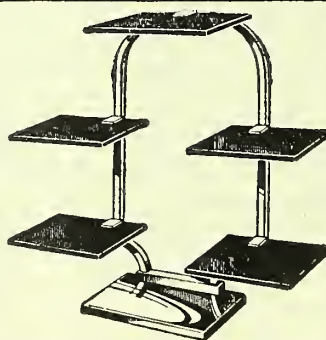
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An apology

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We, William Kingham & Sons Ltd., Merchants, proprietors of Howard's Stores, Union Street, Aldershot; Humphrey's Stores, Cranleigh; H.L. Smith's Stores, Goring-on-Thames and Partners' Stores, Haslemere, hereby tender our humble apology to Messrs. Burroughs Wellcome & Co. for infringement of their trade mark and agree to publication of this apology.

We hereby undertake to forthwith destroy all price lists, cartons, labels or other printed matter in our possession or under our control in which the words 'Tabloid' or 'Tabloids' appear where the products of Messrs. Burroughs Wellcome & Co. are not intended to be designated.

If, instead of destroying undistributed Stores price lists, they are amended to the satisfaction of Messrs. Burroughs Wellcome & Co., it is understood they may be circulated but this exception does not apply to any other printed matter concerned.

Dated this 2nd day of May 1935.

For and on behalf of

William Kingham & Sons, Ltd.

(Sd.) K.H. Kingham. Director

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A Weekly Journal of Pharmacy, the Drug, Chemical and Allied Trades

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News of the Week

Pharmacy and Poisons Act, 1933

(From "The London Gazette," June 11, 1935)

At the Court at Buckingham Palace, the 6th day of June, 1935.

PRESENT,

The KING's Most Excellent Majesty in Council.

WHEREAS by subsection (2) of Section 31 of the Pharmacy and Poisons Act, 1933 (in this Order referred to as "the Act"), it is provided that the Act shall come into operation on the appointed day, and that the appointed day shall be such day as His Majesty may by Order in Council appoint, and that different days may be appointed for different purposes and for different provisions of the Act:

And whereas certain provisions of the Act were brought into operation by the Pharmacy and Poisons Act, 1933 (Date of Commencement) Order (No. 1), 1933:

Now, therefore, His Majesty is pleased, by and with the advice of His Privy Council, to order, and it is hereby ordered, as follows:—

1. The first day of January, nineteen hundred and thirty-six shall be the appointed day for the provisions of Sections 7 to 14 of the Act for all purposes, and for the provisions of subsection (4) of Section 31 of the Act and of the Third Schedule to the Act, in so far as they effect the repeal of Section 26 of the Pharmacy Act, 1868.

2. The first day of May, nineteen hundred and thirty-six shall be the appointed day for all provisions of the Act not previously brought into operation.

3. The Interpretation Act, 1889, applies for the purpose of the interpretation of this Order as it applies for the purpose of the interpretation of an Act of Parliament.

4. This Order may be cited as the Pharmacy and Poisons Act, 1933 (Date of Commencement) Order, 1935.

M. P. A. HANKEY.

Royal Institute of Public Health and Hygiene

On June 3 to June 8 inclusive an important congress was held in Harrogate in celebration of the union of the Royal Institute of Public Health and the Institute of Hygiene as a new organisation to be known as the Royal Institute of Public Health and Hygiene. The Rt. Hon. the Earl of Harewood, president of the Congress, was unfortunately not present to deliver the address he had prepared, owing to an operation on the Princess Royal taking place the same day. His address was read by the general secretary, Mr. A. Seymour Harding. Lord Harewood's presidential address reviewed the history of the two Institutes and their influence for national health, suggesting that it was largely due to the efforts of these Institutes that the death rate during the last thirty years had been reduced by 25 per cent., and that nearly eighty more babies out of every 1,000 passed safely through the first twelve months of life. The Institutes had played their part in bringing pressure to bear for the clearance of slums and other unhealthy districts. He inquired whether the increase in tuberculosis among young women is not due in large measure to the disastrous habit of slimming, which appears to depend on depriving oneself of a proper food supply and so undermining one's resistance to this disease. In the following discussion Professor Bentley, of the Egyptian University, said that they looked enviously at the progress made in this country during the last sixty years, and, guided thereby, great improvements had been developed in Cairo. Major S. L. Bhatia, of Bombay University, spoke in similar terms.

The Congress then divided into five sections dealing with (1) "State Medicine and Industrial Hygiene," (2) "Women and Children and the Public Health," (3) "Tuberculosis," (4) "Rheumatism and Allied Diseases," and (5) "Hydrology, Climatology and Meteorology." The last two sections dealt mainly with various aspects of rheumatism, which, while not

B B

a killing disease, was the one which was most disabling in industry. The great mass of evidence went to show that spa treatment cured some 25 per cent. of the cases, improved more or less 50 per cent., and left 25 per cent. without appreciable advantage. The benefits would be very much greater but for the majority of the cases seeking assistance at the spa only when the case was well advanced, instead of in the early stages. The following observation by Dr. C. W. Buckley (Buxton) will no doubt be widely supported:—"Although rheumatoid arthritis is probably not induced in any marked degree by ordinary industrial occupations, it certainly seems to be induced by housework; and its frequency and severity among women might be mitigated if the husband, who is a firm believer in his eight-hour or even shorter day, would endeavour to apply the same principle to his wife's labours and to secure for her the same amount, if not the same kind, of recreation as he deems essential for himself." Full reports of all the papers are in course of preparation.

British Standards Institution

The hydrometer subcommittee of the British Standards Institution have prepared a draft specification for British standard density hydrometers and tables for use with the hydrometers. A copy of the draft specification and tables will be forwarded to anyone interested on application to The Director, British Standards Institution, 28 Victoria Street, London, S.W.1.

The annual meeting of the Institution was held in London on May 28, Dr. E. F. Armstrong, F.R.S., in the chair. Dr. Armstrong, in presenting the report, said the year's work showed marked progress in every section. Over 150,000 copies of the British standard specifications had been sold and distributed during the year, an increase over last year of 23,000. There are now 700 committees holding over 1,000 meetings a year, the total membership exceeding 5,000. The cost of this work is no more than £25,000 a year. Mr. W. Reavell, a past-president of the Institution of Mechanical Engineers, has been elected chairman for the ensuing year.

The Chemists' Sickness and Provident Society

The seventh annual meeting of the Chemists' Sickness and Provident Society was held at 4 and 5 Queen Square, London, W.C.1, recently, Mr. H. H. Marshall in the chair. The chairman referred to the loss of their vice-chairman, Mr. Thomas Hardy, whose services to the Society since its foundation had been invaluable. In moving the adoption of the report the chairman said considerable progress had been made during the year; 128 new members had been enrolled, and the total membership on December 31, 1934, was 865 (men 734, women 131). Sick pay increased from £994 to £1,382 in the men's section. In the women's section there was a marked fall in the number of claims, and sick pay decreased from £412 to £100. The total amount of sick pay received by members since the first claim was paid in April 1929 is £5,529 (men £4,757, women £772). The balance of surplus funds in the men's section allowed an apportionment of £1 8s. 4d. per full share, compared with £1 9s. 6d. for 1933. In the women's section the apportionment is £1 8s. 9d. per full share compared with £1 5s. 9d. for the previous year. The financial position of the Society was very sound, the market value of the invested funds being £2,680 more than the amount stated in the balance sheet. There was also £1,347 in the members' reserve fund. The chairman thanked the secretary and staff for their services. The following amendment to the rules (subject to the registrar's approval) was carried unanimously:—

Rule 24.—New Clause (IV)

On termination of membership from any cause (other than from breach of the contract with the Society as provided in the member's application form) the member or his or her representatives shall be paid for the final year of membership at the rate of 2s. per share for each lunar month subscribed together with interest upon his or her accumulated apportionment at the rate of 4 per cent. per annum.

Mr. W. W. Atkinson was elected *Chairman* for the ensuing year; Mr. E. A. Atkins was elected *Vice-Chairman*; Mr. A. R. Melhuish was reappointed *Treasurer*; Messrs. E. A. Atkins, W. W. Atkinson, D. A. Bryan, B. P. Davies, W. Forster, H. Gilleghan, C. W. Hobson, H. H. Marshall and S. J. Stearn, together with the trustees (Messrs. J. E. French, W. H. Clubb and W. I. Scholes) were appointed the *Executive*. Messrs. H. W. Harrie, A. Mortimer and H. Glyn-Jones were reappointed *Arbitrators*.

Inquests

At a Dutton inquest, on June 7, on the body of Mr. Herbert Brumwell, retired chemist and druggist, formerly of St. Helens, a son said that on the morning of April 8 his father complained that his left arm was useless, and the left side of his face was causing him trouble. Dr. Bower said he learned that the deceased had been taking opium. Death was due to hemiplegia following hæmorrhage. Returning a verdict of "Natural causes," the coroner said he did not know where Mr. Brumwell had got his supply of drugs. There seemed to be some laxity.

An inquiry was held at Amble, Northumberland, on June 7, concerning the death of Mr. Jacob George Reed, Sunderland, who committed suicide on the previous day by drinking hydrocyanic acid. It was stated that Mr. Reed had been acting as *locum tenens* for Mr. E. L. Short, chemist and druggist, who had left on his honeymoon. It happened that a medical man was in the shop when Mr. Reed drank the acid. A brother, who gave evidence of identification, could throw no light on the affair, and the coroner returned an open verdict.

Huddersfield

At the monthly meeting of the Huddersfield Branch of the Pharmaceutical Society a letter was read from the Westminister Laboratories, Ltd., with reference to the "Out of Friends" scheme. This was discussed fully and received the hearty approbation of the Branch. The secretary was instructed to write to Westminister Laboratories, Ltd., giving the members' appreciation and support. It was suggested that although the Society was building in Brunswick Square, it would be economical to have the laboratories and school outside London on a cheaper site. It was proposed that the delegates to the Belfast Conference should explain this view-point. The secretary was instructed to write to the secretary of the local branch of the British Medical Association and to put the medical dispensing scheme before him. Newspaper advertising was discussed.

Ipswich

The annual meeting of the Ipswich and District Branch of the Pharmaceutical Society was held on June 3. In the unavoidable absence of the president (Mr. L. Piper) the chair was taken by Mr. F. W. Wiggins. Mr. Piper was re-elected *President*, this being his fourth year of office. Mr. F. W. Wiggins was re-elected *Treasurer*, and Mr. R. J. Stratton, 42 Sherrington Road, Ipswich, *Secretary*, with Miss Bird as *Assistant Secretary*. The *Committee* consists of Mrs. Cook, Miss Bradford, Mr. J. C. Wiggins and Mr. A. H. Veale. It was decided to arrange a visit early in July to the malt extract works of Edme, Ltd., Mistley, to be followed by an excursion to Clacton-on-Sea for tea.

Leicester

The annual sports of the Leicester Colleges of Art and Technology were held on June 1. The Pharmacy Department was present in full force to support the members who had entered for the different events. For the second year in succession the pharmacy team won the tug-of-war event, the final being against the College rugby football club. Other events in which pharmacy students were successful were the 120 yards hurdles and high jump (both won by N. B. Fleet); putting the weight, C. R. Hancock (who created a College record of 33 ft. 2½ in.); J. Beck was second in both the long jump and throwing the cricket ball. The Lady Mayoress presented the prizes, and the chairman, in introducing her, referred to the fact that the Pharmacy Department was very much in evidence both in numbers and cheering.

London

The annual meeting of the South-East London Chemists' Association will be held on June 18.

The works and office staffs of Barrett, Tagant and Gotts, Ltd., proprietors of The Pharmaceutical Lanoline Co., held their annual outing on June 1, and were entertained to luncheon by the directors at the Castle Hotel, Hastings.

A meeting of the Executive Committee of the London County Pharmaceutical Association was held on May 28, Mr. E. Skues (president) in the chair. The secretary reported that under

the South Metropolitan Gas Company's scheme the number of prescriptions dispensed during the first quarter of 1935 was 5,319, value £184, average cost per prescription 8.34d.; also that the number of prescriptions dispensed under the L.C.C. dispensing scheme for the year 1934 was 79,976. He gave particulars of a further extension in the operation of the scheme. Among the other subjects considered were the items for discussion at the delegates' meetings of the British Pharmaceutical Conference at Belfast; the "Chemists' Friends" scheme; P.A.T.A. matters; and a report on the social functions so far arranged by the various London organisations for the session 1935-36.

A meeting of the London Chemists' Golfing Society was held on May 30 at Burnham Beeches golf course. The medal round for the "Mentholatum" prize was won by G. B. Thompson; bogey for the Jubilee prize, presented by Mr. E. C. Pryce, was won by F. C. Jones. Scores were as follows:—

Medal		Bogey	
G. B. Thompson ..	78-9=69	F. C. Jones ..	2 down
F. C. Jones ..	86-16=70	L. T. Morson ..	3 down
L. T. Morson ..	94-18=76	F. E. Lever ..	4 down
H. R. Nightingale ..	96-18=78		
F. E. Lever ..	93-14=79		
P. O. Royle ..	97-16=81		

As a result of a "sweep" the Benevolent Fund of the Pharmaceutical Society benefited to the extent of £3 15s. The next meeting of the Society takes place on June 13 at Wildernes Golf Club.

Manchester

Mr. Samuel Taylor, J.P., of Thomas Tomlinson & Son, chemists' valuers, Manchester, has been awarded the King's Silver Jubilee medal. Mr. Taylor is chairman of the Marple Urban District Council.

Mr. James Grier, M.Sc., Ph.C., whose article on "The Making of 'The Compleat Pharmacist'" in the *C. & D.* of January 5 will be remembered by many readers, will retire from his post as Senior Lecturer in Pharmacy in the Victoria University of Manchester in September. Mr. Harry Brindle, B.Sc., F.I.C., has been appointed Senior Lecturer, and Dr. Kenneth Bullock, at present demonstrator, has been appointed assistant lecturer.

The annual competition between the Liverpool and Manchester pharmaceutical golfing societies for the Gibbs trophy and replicas was played at Grange Park Golf Club on June 5. Teams of twelve a side played a medal round from club handicaps and the side returning the eight best net cards constitutes the winning team. The full scores were as follows:—

Liverpool		Manchester	
W. Glover ..	69	G. M. Evans ..	70
F. P. Derrick ..	74	F. D. Gee ..	75
B. Sefton ..	75	W. E. Phillipson ..	78
S. F. Alder ..	79	R. Demaine ..	78
T. Ashworth ..	79	J. W. Aves ..	79
W. A. Fairbairn ..	79	J. A. Collins ..	80
T. Lloyd ..	83	P. W. Stuart ..	81
A. L. Saul ..	84	S. Fletcher ..	82

Liverpool won the match by the narrow margin of one stroke. The trophy was presented to the Liverpool captain, and the members of the Liverpool team each received a replica. This match provided the most exciting finish of any of the long series.

Portsmouth

Mr. Thomas Brewis, chemist and druggist, 186 Twyford Avenue, Portsmouth, is laid aside by illness. Mr. Brewis qualified in 1870.

A party of students from the Portsmouth Municipal College recently paid a visit to the laboratories of Parke Davis & Co., at Hounslow. The journey was made by motor coach. After a substantial lunch a visit was paid to the manufacturing and packing departments, in both of which there was plenty of interest the embryo pharmacists. The party was in charge of Mr. J. Hemming, head of the Pharmacy Department, who voiced the appreciation of the students for the hospitality extended.

Sheffield

Dr. H. Bown, a former vice-president of the Sheffield Pharmacists' and Chemists' Society, his wife and son were involved recently in a motor accident on the Burbage Road, Ringing-

lowe. They were removed to hospital, but afterwards allowed to go home.

A meeting of the council of the local Branch of the Pharmaceutical Society was held at the Church House, recently, Mr. A. H. Culverhouse, the president, occupying the chair. It was reported that the sports section is in need of a ground. It was decided to ask Mr. T. Marns to address the Branch in October, and Mr. Gilligan, Leeds, to a later meeting. It is proposed to hold a dance at the Grand Hotel in November. The local education authorities are to be approached with a view of a full-time course being arranged for Part 2 of the Qualifying examination, and a committee (the president, secretary and Messrs. Antcliffe and E. Preston) were appointed to deal with the matter.

Miscellaneous

POISON-LICENCE APPLICATIONS.—Dover Town Council has granted licences for the sale of agricultural and horticultural poisons to Mr. A. W. Killick (G. & A. Clark, Ltd.); and to Mr. A. P. Clout. Applications for similar licences have been made to the respective local authorities by J. R. Wood & Co., Ltd. (Bourner & Co.), Uckfield; and Mr. H. Jones, Grosmont, Herts.

Irish Notes

Ulster Retail Drug Trade Association

The monthly meeting of the Executive Committee was held in the Grand Central Hotel, Belfast, on June 4, the president (Mr. James Dundee) in the chair. There was a full attendance. Before proceeding to business the president referred to the baronetcy conferred upon Sir Crawford McCullagh, Lord Mayor of Belfast, and paid a fitting tribute to his valuable services to the community. The president proposed a resolution of congratulation to the Lord Mayor, which was seconded by Mr. Abernethy and passed unanimously. Mr. J. C. Culbert reported that the president and he had waited upon the Ministry of Agriculture regarding the possibility of lectures being given under the auspices of the U.R.D.T.A. on the diseases of plant life, etc., the remedies for such, and the chemical components of remedies. Mr. Culbert said that they had been very well received; the Ministry, while not accepting the principle of official lectures, had been sympathetically interested in the suggestions submitted, and would be willing to assist the Association by supplying any information desired.

The Special Committee dealing with the question of the restriction of the sale of patent medicines, etc., to chemists submitted an interim report which showed that useful work had been done in the effort to attain this desirable aim; much remained still to be done, and the subcommittee hoped that, with the co-operation of the trade, tangible results would ensue. Mr. James McDowell, one of the most energetic members of the special committee, submitted some valuable suggestions as to display matter and advertisement relating to the movement, which met with unanimous approval, and full liberty was given to the special committee to utilise these ideas to the best possible advantage.

Mr. John McGregor drew attention to an Early Closing Bill which would probably be introduced at a comparatively early date; he thought that the prevailing hours were too long, and there was an absence of uniformity in the present closing hours. He suggested that advantage should be taken of the opportunity to remedy this unsatisfactory state of affairs. After discussion it was resolved, on the proposal of Mr. Charles Abernethy, seconded by Mr. J. McDowell, that Mr. Adams, Mr. Culbert, Mr. Dundee, Mr. McGregor and Mr. Shinner be appointed as a subcommittee to inquire into the matter and report. It was agreed that the next meeting would be held in September unless matters of urgency necessitated an earlier meeting. Some price alterations were adopted.

Ulster Chemists' Annual Golf Competition

There were forty entries for the Ulster chemists' annual golf competition for the McMullan cup, which was played at Bangor on June 5. The course was in good order, and the utmost facilities were afforded the visitors in the new clubhouse. After keen play the results were as follows:—Class A.—R. L. Clarke (Portrush), 85 (11), 74 net; Class B.—

F. A. Mackey (Portrush), 89 (21), 68 net. The final resulted in a win for Mr. Mackey by 2 and 1. The visitors' prize was won by Mr. G. Balmer, 74 net. A bogey competition in the afternoon was won by Mr. J. Rankin (13), 1 up on bogey. The chair at a subsequent meeting was occupied by the president, Sir Thomas McMullan, who welcomed all present. The following officers were elected:—*Committee*, Messrs. J. R. Guiler, A. T. Hardy, J. M. Poots, R. Linehan, W. J. Rankin, J. A. McRoberts, A. Steede and G. H. Simms; *Treasurer*, Mr. S. H. Forrest; *Secretary*, Mr. J. Macauley. A vote of thanks to the Bangor Golf Club was proposed by Mr. F. D. McMullan and seconded by Mr. D. Tees. Those who provided prizes were thanked by Mr. J. M. Poots and Mr. J. Macauley. Arrangements were made for a team to travel to Dublin to compete for the B.D.H. cup. On the motion of Mr. J. H. Haslett, Sir Thomas McMullan was thanked for presiding.

Dublin and Provincial Retail Drug Association

The special general meeting of the Dublin and Provincial Retail Drug Association to consider the future policy and organisation of the Association will be held at Jury's Hotel, Dublin, on Monday, June 17, at 9 p.m. This date was finally agreed upon at a Committee meeting held on June 3, Mr. T. C. Scott (president) in the chair. All Dublin members are requested to keep this date free. To ensure a representative attendance from the provinces the Committee decided that the rail expenses of each delegate from the provincial chemists' associations to the meeting be defrayed by the central organisation.

After the president's address a motion will be moved that the name of the Dublin and Provincial Retail Drug Association be changed to the Irish Retail Drug Association, the new Association to be representative of pharmaceutical and drug trade interests in the entire Free State, and to embrace the following local organisations: North Leinster Chemists' Association; Cork City and County Chemists' Association; Limerick and District Chemists' Association; Waterford Chemists' Association; Wexford Chemists' Association; Westmeath Federation of Pharmaceutical Chemists; Galway Chemists' Association. Each of these associations will be asked to appoint a delegate to represent them on the central body in Dublin, and the special general meeting will be asked to authorise payment of the travelling expenses of such delegates to Dublin, to cover four journeys each year. A motion will also be moved that the annual subscription to the Association be increased to £1 11s. 6d. for each member keeping open shop, as from October 1, 1935, this subscription to be paid by bank order on October 1 each year unless the member gives three months' notice to the contrary. Resolutions from the Westmeath and other Associations will also come up for discussion.

The subcommittee appointed at a previous meeting submitted a detailed report on the results of the campaign being conducted among manufacturers, wholesalers and distributors to confine the sale of chemists' lines to chemists. The subcommittee furnished classified returns setting out the names of manufacturers written to whose replies were satisfactory, fairly satisfactory and unsatisfactory. A list of manufacturers not written to was also supplied. Similar graded returns were made in respect of wholesalers and distributors. At an early date it is hoped to be able to issue a complete list to all members of the Association setting out the names of the respective firms and their attitude towards the new campaign. On the plea raised by some manufacturers that they must sell their goods to non-chemists in some areas where chemists were not available, the Committee definitely ruled that this plea was unsustainable, since there was no area in the Free State of any considerable size that was not covered by a chemist or druggist. A complaint was before the Committee that a well-known dental proprietary was now being offered for sale in the Free State through multiple stores. The Committee decided to take up the matter forthwith with the manufacturers. In response to a request from the Dublin Branch of the P.D.A., the Committee agreed that their organiser, Mr. Brendan Smith, be allowed to undertake organising work for the P.D.A. in the Free State, concurrently with his work for the Association. The hope was expressed that with a strongly organised P.D.A. in the Free State it might be possible to stop photographic supplies to persons who were not approved dealers.

Brevities

The tenders of Messrs. Fielding and T. L. Egan, Cork, have been accepted for medical and surgical supplies to Cork South Infirmary.

Mr. D. W. Barclay has been appointed to represent Vinolia Co., Ltd., in Northern Ireland, and has taken over his new duties. Mr. J. A. W. McKee, of Dublin, has been appointed to succeed Mr. J. J. Ryan in the south and west of Ireland, and will take over his duties on July 1.

At a meeting of the Belfast Corporation Tuberculosis Committee the chief tuberculosis officer submitted a letter from the Central Checking Bureau, Glasgow, with reference to the proposed "economy cut" of 6.3 per cent. on all accounts submitted by pharmaceutical chemists in respect of dispensing for non-insured tuberculous persons. It was resolved that the cut be not deducted from accounts for such dispensing by chemists in Belfast, and that the minute of December 6, 1933, on the subject be varied accordingly. This decision is subject to the approval of the Ministry of Home Affairs.

At a meeting of the Chemists' Assistants' Branch of the Irish Union of Distributive Workers and Clerks, held on May 29, a resolution was passed calling upon the members to support Irish-manufactured supplies and to give preference to goods manufactured under trade-union conditions. Mr. M. P. Nolan, president of the Union, said that the workers in general did not realise the long hours chemists worked and the miserable conditions they endured. Wages were exceptionally low, while the value of the profession to the community and the responsibilities of the individual members were great. Mr. Nolan said one of the things which must be ended was the practice of employing outsiders as travellers for wholesale chemists.

Scottish Notes

Brevities

Mr. James Lohoar, chemist and druggist, has been elected a member of the council of the Hamilton Rotary Club.

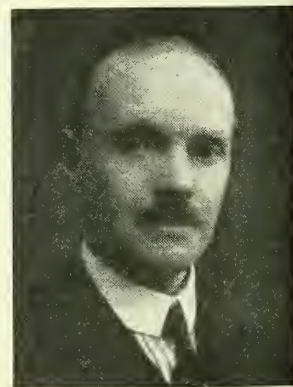
Mr. Edward Fraser, chemist and druggist, 5 High Street, Buckie, has received the contract for the supply of medicines, drugs, etc., to Seafeld Cottage Hospital, Buckie.

At a meeting of the Pharmaceutical Committee for the Burgh of Glasgow, held on June 3, Mr. Harvey Arthur was appointed chairman and Mr. John B. McVitie was reappointed secretary.

Speaking on June 11 to the members of the Glasgow Rotary Club, Mr. A. B. Gilmour, superintendent of the Central Checking Bureau, said that legible writing of prescriptions was necessary to clear interpretation, on which correct dispensing depended.

Mr. John H. Ramsay, Ph.C., whose wholesale business was incorporated with that of W. & R. Hatrick, Ltd., 158 Rexfield Street, Glasgow (C. & D., February 9, p. 151), and to which business he went as manager, has now been appointed a director of the company. Mr. Ramsay is a former member and chairman of the Scottish Board of Examiners of the Pharmaceutical Society.

The annual game for the Scottish Chemists' Bowling Association Ayrton Saunders trophy was played on June 5 at Kirkcaldy under ideal weather conditions. After a keen and most enjoyable game the cup was won by Glasgow. The winning rink were 29 shots up, and Edinburgh were runners-up with 26 shots up. The cup and prizes, kindly donated by Ayrton, Saunders & Co., Ltd., were handed over to the winners by Mr. Andrew Shaw. Mr. Shaw was heartily thanked for making the presentations. The winning rink was composed as follows: T. Hardie, A. W. Calder, F. B. Gray, M. Wallace (skip). The runners-up were: J. H. Tainsh, A. Bruce, P. Nisbet, George Andrews (skip).



MR. JOHN H. RAMSAY, PH.C.

Aberdeen

Treasurer Watt, chairman of the Chemistry and Pharmacy Committee of Robert Gordon's Colleges, Aberdeen, paid warm tribute to the educational activities of the Aberdeen Pharmaceutical Association and particularly to those responsible for the School of Pharmacy, at the annual presentation of prizes to the students attending the evening classes. Treasurer Watt was accompanied by Mr. John G. Mutch, president of the Aberdeen Pharmaceutical Association, Dr. J. F. Tocher, public analyst, Mr. J. E. Bowen, head of the School of Pharmacy, Mr. W. G. Mitchell, Mr. H. M. Dugan, and Mr. W. F. Hay. Congratulating the students upon the successful outcome of their session's work, Treasurer Watt stated that the apprentice chemists of Aberdeen owed much to the kindly interest of the Aberdeen Pharmaceutical Association. Not only did the Association present the prizes to the pupils and entertain them each year, but its members were actually the founders of the School of Pharmacy. Treasurer Watt then presented the prizes as follows:—First Year, (1) S. W. Wilson (Inverurie); (2) Robert Shearer (Aberdeen); (3) John A. Anderson (Culter). Second Year, (1) James D. A. Flett (Aberdeen); (2) T. S. Watt (Aberdeen); (3) (equal) Helen S. Marriot and Norman B. Duncan (Aberdeen). Third Year, (1) Alfred Y. Downie (Aberdeen); (2) John L. Hadden (Aberdeen); (3) Arthur Downie (Aberdeen). Fourth Year, (1) Lionel V. Allan (Aberdeen); (2) W. J. Sangster (Aberdeen); (3) Elsie Simpson (Aberdeen). The thanks of the students to the Association were expressed by Mr. L. V. Allan, dux of the evening classes.

Edinburgh

The annual meeting of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society was held on May 29, Mr. John Gilmour (chairman) presiding. The chairman

referred to the death of Mr. John Carmichael (Leslie). Mr. Arthur Cairns (secretary) submitted the annual report and financial statement, which indicated that a successful session had been carried out. A special effort had been made to obtain subscriptions to the Benevolent Fund. The accounts for the year closed with a balance in hand. The chairman, in moving the adoption of the report, took the opportunity of extending a hearty welcome to Mr. Alexander M. Fyvie, of Pietermaritzburg, a Scottish pharmacist who had spent many years in South Africa and was in Edinburgh on a visit. The adoption of the report was seconded by Mr. Currie and agreed to. The following were elected office-bearers for the session 1935-36:—*Chairman*, Mr. John Gilmour (Dunfermline); *Vice-Chairman*, Mr. James B. Mitchell (Edinburgh); *Secretary and Treasurer*, Mr. Arthur Cairns, 71 Warrender Park Road, Edinburgh; *Committee*, Misses Boag and Scarlett, and Messrs. Drummond, Harley, Henry, Miller, Nisbet, Perrins, Somerville, Tainsh, Watson and Wilson. The chairman then called upon Mr. J. Rutherford Hill, who discussed the forthcoming Poisons Board report, examination regulations, matters relating to N.H.I. arrangements, public pharmaceutical service, the reservation of dispensing to pharmacists, joint meetings of medical practitioners and pharmacists, the sale of methylated spirit, questions relating to Sunday trading in Scotland, post-graduate lectures for pharmacists, territorial representation, and other matters of current interest. On the invitation of the chairman, Mr. Fyvie expressed his pleasure at resuming acquaintance with Scottish pharmacists after an interval of some thirty years in South Africa. The following took part in the discussion:—Mr. Reid (Cupar); Mr. Currie (Leith); Mr. Abercromby; Mr. Kelly; and Dr. Tait. Mr. Hill replied. Mr. J. C. Somerville reported that it was proposed to have an afternoon excursion to Rothesay on July 24, starting from Waverley Station at 1.55 p.m. Votes of thanks were awarded to Mr. Hill and to the chairman.

Topical Reflections

By Xrayser

After the Council Election

comes the election of officers; it is fitting that some tribute should be paid to those who have retired and some greeting to those who have been elected (*C. & D.*, June 8, p. 685). Whatever views we may hold upon the questions that have been to the front during the two years of Mr. John Keall's presidency, we can all join in thanking him for the unremitting care and attention he has devoted to the work of his office. He has presided over the Council through two strenuous years, none the less strenuous because much of his work has not been made public. I have heard him speak on many occasions during that period; his speeches have been dignified, to the point, and always full of vigour. I gladly pay a tribute to Mrs. Keall for the way in which she has seconded the work of her husband, particularly on the social side. In Mr. Saville Peck we have a man who stands for the academic and ethical side of pharmacy. One does not need much prophetic vision to realise that the educational aspect of our calling will be to the front during his term of office; this is all to the good provided he realises that it is not the only aspect. I am not at all sure that we have not gone far enough in standards of training and examination, and that we should be not well advised to devote more attention to the commercial implications of pharmacy.

I Have Been

for several years an enthusiastic supporter of the *C. & D. Retail and Dispensing Price List*, and have used it in both retail and wholesale pricing. I have frequently tested the accuracy of the dispensing fees for different classes of preparations against the actual time taken in doing the work, and they have come out of the test remarkably well. I have been in pharmacies where a customer has asked for an article not in general use, and the pharmacist has been uncertain what to charge. I have said, "Look in the '*C. & D. Retail Price List*,' you will find it there." Unlike many lists, it provides for smaller quantities of the article than that of the list quantity, and postulates the attitude that a pound cannot profitably be divided in sixteen separate ounces unless some addition

is made for the labour cost of division. Perhaps the most important function served by the List is that it prevents price cutting, or rather indicates a standard below which it is not profitable to sell. I have before expressed the opinion in these columns that the List should be taken as a standard in the trade for fixing charges for dispensing. If all local associations and branches would devote one evening to this problem during the coming winter, and agree upon charges based upon those in the *C. & D. Retail Price List*—and, more important still, carry them out—we should not hear so much about poor profits. The matter is urgent, and only needs a little "ginger."

While I Admire

the courage of the speaker at the third special meeting of the Pharmacy League (p. 674) in taking for his subject "How I Would Improve Pharmacy," I must confess to the conviction that little practical good can be brought about by the discussion of such a topic. Of what use is it to condemn multiple-shop trading, for instance, when, as will be seen by your report on the organisation of Federated Multiple Shop Proprietors (p. 669), there is every likelihood that this type of business will multiply in the near future? The speaker admitted that the practice of pharmacy proper could not provide a living except to the privileged few; one of his suggestions for remedying this state of affairs was a subsidy by the Society, the money for which might be obtained by increasing the registration fee of pharmacies and so providing a surplus of £15,000! This amount, if used to subsidise professional pharmacy, would be a mere drop in the ocean of need. I believe the Pharmacy League can do useful service; I would like the members to turn their attention to some pressing needs of to-day. Here are a few. A uniform system of pricing prescriptions, and the best methods for making such compulsory on all chemists. The arranging of post-graduate classes for the teaching of such subjects as salesmanship. The dissemination of knowledge on opening a pharmacy and its implications. Pharmaceutical ethics. These would form the nucleus of a good session's work.

Legal Reports

Medicine Stamp Acts.—At North London Police Court, on June 12, Thomas Hooper, Belsize Road, Kilburn, N.W., and Margaret Chambers, Benfield Road, Clapham, S.W., trading as Herbal Remedies at 118 High Street, Islington, N.1, were summoned for selling a packet containing "Walkeasy Ointment," a bottle of "The Mixture makes the Flu Fly," a bottle of "Compo Ess" and a bottle of skin lotion, none of which bore the necessary Revenue stamp as required by the Medicine Stamp Act, 1812; and for selling the ointment without holding a licence. Mr. C. N. Johnson, for the defendants, pleaded "Guilty." Mr. J. N. B. Laine, for the Commissioners of Customs and Excise, said that in this case the defendants were charged with selling four specific preparations without the necessary medicine stamps affixed, and for not having the necessary licence in force. After the preparations had been purchased Customs officers went to the premises and examined the stock. They found about eleven other preparations ready for sale which were liable to duty but unstamped. Hooper, in a voluntary statement, said that he had no qualifications as a chemist or pharmacist whatever. For about eight years Hooper had been trading at Euston Market. Mr. Johnson said that his clients desired to say how sorry they were, but they had really acted in ignorance of the law. As soon as they were told they discontinued the sales, and had now taken out a licence. Each defendant was ordered to pay fines amounting to £11, with 21s. costs.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

A. H. PRICE (CHEMISTS), LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of chemists, druggists, etc. R.O.: 2 Guildford Road, Woking.

E. J. BATES & CO., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of chemists, druggists, etc. R.O.: 139 Bordesley Green, Birmingham.

W. L. BIXTER, LTD. (P.C.).—Capital £500. Objects: To carry on the business of dealers in chemicals, drugs, perfumes, etc. R.O.: 51 Eccleston Street, Prescott, Lancs.

T. BUXTON & CO., LTD. (P.C.).—Capital £7,000. Objects: To acquire the business heretofore carried on as "T. Buxton & Co., at 27 Queen's Road, Clifton, Bristol, and to carry on the business of pharmaceutical chemists and druggists, etc.

JUVENTA, LTD. (P.C.).—Registered in Dublin. Capital £10,000. Objects: To carry on the business of manufacturers and distributors of all kinds of hair, skin and toilet preparations, dealers in toilet articles, etc. The first directors are not named.

GUARANTEE EXTERMINATING CO., LTD. (P.C.). Registered in Edinburgh.—Capital £200. Objects: To carry on the business of vermin exterminators and fumigators and manufacturers and sellers of all materials, apparatus, equipment relating to the extermination of vermin, etc. R.O.: 93 Waterloo Street, Glasgow.

SCHIAPARELLI PARFUMS, LTD. (P.C.).—Capital £50,000. Objects: To carry on the business of manufacturers, importers and exporters of and wholesale dealers in and retailers of perfumery, essences and beauty and toilet preparations, etc. The first directors are to be appointed by the subscribers. Solicitors, Kenneth Brown, Baker, Baker, Essex House, Essex Street, W.C.2.

BENTONITE, LTD. (Public Company).—Capital £50,000. Objects: To enter into an agreement with Heyman Orkin, to carry on, develop and turn to account the properties, rights and interests therein mentioned, and to carry on the business of miners, manufacturers and merchants of bentonite and fullers earth and other minerals, etc. R.O.: Halifax House, 62-64 Moorgate, E.C.

SANGERS, LTD.—Final dividend on the old ordinary shares of 13½ per cent., making 22½ per cent. for the year, against 20 per cent. for the previous twelve months.

VIROL, LTD.—Trading profit for year ended March 31, 1935, amounted to £127,127, compared with £114,845 for the previous twelve months. Net profit totalled £10,283, against a net loss of £12,416 for the previous financial year.

A. J. WHITE, LTD.—Net profit for the year ended March 31, 1935, amounted to £44,284, compared with £42,086 for the previous financial year. A final dividend of 7½ per cent. is recommended, again making 12½ per cent. for the year, and £103,134 is to be carried forward (against £96,351). Meeting, June 20.

BOOTS PURE DRUG CO., LTD.—The forty-seventh ordinary general meeting was held at Nottingham, the Rt. Hon. Lord Trent, chairman of directors, presiding. After commenting upon the balance sheet, Lord Trent, in the course of his speech, said:—I am able to report continued steady progress. By March 31 of this year we had added a further 54 branches, bringing the total up to 1,079. The total of our sales transactions has continued to increase, and during the year reached the vast figure of over 148,000,000. Sales of drugs and medicines and the number of prescriptions dispensed have again beaten all previous records, in spite of the mild, healthy weather. The total of prescriptions shows an increase of more than 10 per cent. over the previous year. In connection with our special medical products, continuous research on insulin has not only enabled us to perfect our product, but the result of these investigations, combined with the result of improving our plant, has enabled us to effect progressive economies which we have passed on to the consumer. I might also mention that another of our special products, "Hepastab," a clinically-tested intramuscular injection, which gives excellent results in profound cases of pernicious anæmia, has also been improved technically during the past year. The following retiring directors, Messrs. G. N. Gales and W. E. Weiss, were re-elected unanimously. Proposing a vote of thanks to the chairman, Sir Jesse Hind congratulated the board on the increased prosperity of so highly successful a company.

Private Arrangements

Thomas Riley, 179 Whalley New Road, Blackburn, chemist and druggist. The creditors herein met recently at Blackburn, when the statement of affairs showed liabilities of £672, made up as follows: balance of purchase price of business, £425; interest to date, £12; trade creditors, £185; and cash claim, £50. The assets totalled £225, or a deficiency of £447. The fully secured creditor claimed £30, and held a life policy of the value of £55. It was decided to accept an offer of 8s. in the £.

Herbert Oliver Lloyd, 79B Abington Street, Northampton, chemist and druggist. The creditors were called together recently, when Mr. Parkin S. Booth, Liverpool, was elected to the chair. The statement of affairs showed ranking liabilities of £3,294 2s. 11d., of which £2,492 1s. 11d. was due to unsecured creditors, and £802 1s. to partly secured creditors. The total claims of the latter were £2,162 1s., but securities valued at £1,360 were held. After allowing £24 0s. 9d. for preferential claims the net assets were £372 4s. 3d., or a deficiency of £2,921 18s. 8d. It was stated that the unsecured creditors included cash claims to the extent of £1,702 15s. 3d., and that the amount due to the trade was only £789 6s. 8d. The takings of the business had been about £28 a week, and the premises were held on a lease for ten years from March, 1934, at a rental of £75 per annum, rising to £100 per annum. A resolution was passed confirming the deed of assignment already executed to Mr. Jelley, cash claims for £1,702 being withdrawn. A committee was also appointed.

Gazette

Partnership Dissolved

MOGG, E. H., and CUNNINGHAM, I. J., 3 King Street, Twickenham, wholesale and retail chemists and opticians.

Stock Exchange Prices

£1 shares unless otherwise stated	Dec. 31, 1934	Apr. 30, 1935	May 31, 1935
Allen & Hanburys, 7% Prefd. Ord. ...	s. d. 21 3	s. d. 21 6	s. d. 21 0
Amalg. Dental Co., 8% Prefd. Ord. ...	23 9	21 9	22 0
Deferred £1 ...	8 3	7 0	7 0
Ayrton, Saunders & Co. 7½% Pref. ...	19 6	20 6	21 0
Beechams Pills, Deferred 5s. shares ...	26 6	24 0	25 0
Benger's Food, Ord. ...	43 6	40 0	40 6
Benzol & By Products cum. part. Pref. ...	2 6	2 0	2 0
Berger (Lewis) & Sons, Ord. ...	41 3	61 3	61 3
Blundell Spence & Co. ...	19 0	18 9	19 0
Boake (A.), Roberts & Co., 5% Pref. ...	21 3	21 3	21 3
Boots Pure Drug, Ord. 5s. shares ...	46 0	48 9	48 1½
Boots Pure Drug, 7% "A" Prefd. Ord. ...	31 0	32 3	32 0
Boots Cash Chemists (S.), 6% "A" Pref. ...	28 9	29 0	28 9
Borax Consold., Dfd. Ord. ...	11 6	13 9	15 9
Bovril, Ord. ...	29 9	21 9	21 9
Dfd. ...	17 9	13 6	15 0
British Cyanides, Ord., 2s. shares ...	3 1½	2 10½	3 0
British Drug Houses, The, Ord. ...	19 3	19 6	19 3
British Glues & Chemicals, 4s. Ord. ...	4 0	3 6	4 0
British Oil and Cake Mills, Prefd. Ord. ...	45 0	45 6	47 6
British Oxygen, Ord. ...	84 0	82 0	94 0
British Photo. Indus., 6% Cum. Pref. ...	3 0	3 3	3 0
Burt, Boulton & Haywood, Ord. ...	22 0	20 0	20 6
Bush (W. J.) & Co., 5% Pref. £5 ...	105 0	105 0	105 0
Callard, Stewart & Watt, Ord. ...	5 6	3 9	3 9
Cooper, McDougall & Robertson, Ord. ...	35 0	32 6	36 3
Crosfield (Joseph) & Sons, 6½% Pref. ...	30 0	29 3	29 9
Dubarry Perfumery, Ord. rs. ...	6 3	6 0	6 3
7½% Pref. ...	27 6	27 0	27 3
Eastman Kodak Com. (no nom. value) ...	\$113½	\$144	\$144
Eno Propriet'y, Ord. 5s. ...	12 0	12 1½	9 9
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares ...	2 9	3 0	3 3
6% cum. part. Pref. ...	5 9	6 0	6 3
Field (J. C. & J.), Ord. ...	26 6	25 0	25 0
Galloway (P. H.), Ord. 2s. ...	3 9	3 9	3 9
7½% Cum. Pref. ...	27 0	28 0	27 6
Genatosan, Ltd., rs. ...	5 6	5 7½	6 0
Gossage (William), 6½% Pref. ...	30 6	29 0	29 3
Griffiths Hughes (Kruschen) Ord. ...	49 9	50 3	58 6
Grout & Co., Ord. ...	19 3	22 0	23 0
Hodders, Ord. rs. ...	0 6	0 4½	0 6
Hford, Ltd., Ord. ...	27 6	25 0	25 4½
6% Pref. ...	25 0	26 3	25 6
Imperial Chemical, 7% Pref. ...	34 1½	34 0	34 0
Ord. ...	37 3	35 0	35 0
Dfd. rs. ...	9 7½	8 6	8 6
Intern. Sponge Importers, 6% Pref. ...	16 9	12 9	12 9
Kent (G. B.) & Sons, 5½% Pref. ...	3 9	3 0	3 9
Knight (John), 25% Prefd. Ord. ...	95 0	98 9	100 0
Laporte (B.) & Co., Ltd., Ord. ...	104 6	110 0	107 6
Lever Bros., Ltd., 7% Pref. ...	32 0	32 6	32 6
8% Pref. ...	33 0	33 0	33 3
20% Prefd. Ord. £1 ...	75 6	77 0	79 0
Lewis & Burrows, Ord. ...	27 6	21 7½	21 7½
6% Pref. ...	22 6	20 9	20 9
Liebig's Ext. of Meat, Ord. £5 ...	£11½	£13	£13½
Mellin's Food, 6% Pref. ...	1 3	1 3	1 0
Nathan, J. (Glaxo), 7% Pref. ...	25 6	23 6	24 6
8% Prefd. rs. ...	12 6	11 3	11 6
Ord. rs. ...	2 6	2 3	2 9
Pears (A. & F.), 5% Deb. £100 ...	£110	£110	£112
Phosferine (Ashton & Parsons), 8% cum. part. Ord. ...	24 0	21 3	22 6
Reckitt & Sons, Ord. ...	115 3	108 0	113 9
Salt Union, Ord. ...	38 9	37 9	41 3
Sangers, Ord. 5s. ...	22 0	23 3	23 9
"Sanitas," The, Co., 9% Pref. ...	31 9	32 6	32 6
Sanitas Trust, 10% partic. Pref. ...	29 0	32 0	31 0
Smith (Stephen) & Co., Ord. 5s. ...	12 9	12 9	12 9
Spratt's Patent, Ord. ...	71 9	67 6	70 0
Stevenson & Howell, 6½% Cum. Pref. ...	26 3	26 0	26 0
United Glass Bottle Man., Ord. ...	—	38 6	40 6
Veno Drug Co., 8% Pref. ...	27 9	23 9	25 6
Virol, Ltd., Ord. ...	26 3	27 6	27 6
7% Pref. ...	26 0	26 3	26 3
White (A. J.), Ltd., Ord. rs. ...	22 0	19 0	20 0
White (Timothy) & Taylors, 7½% Pref. ...	31 0	28 3	29 0
Ord. 5s. ...	21 9	20 3	20 9
Woodlands Chemists, Ord. 5s. ...	—	5 3	5 0
Wright, Layman & Umney (1932), 7% cum. Pref. ...	25 0	24 0	24 3
Yorkshire Indigo & Col. Dyers, 5s. Ord. ...	0 9	0 3	0 3

New Birmingham Offices

New office buildings have been erected for John & E. Sturge, Ltd., at 1 Wheeley's Road, Birmingham, 15. The offices are only about 200 yards from the old premises at Wheeley's Lane, where Messrs. Sturge have been established since 1823. The main laboratories remain on the old site, and manufacturing



THE NEW OFFICES OF J. & E. STURGE, LTD.

continues there. The new offices occupy an important corner site, easily accessible from the centre of the city. A large courtyard and a bank reserved for shrubs or flowers separate the building from the main road, giving a pleasing sense of light and airiness to the whole premises. The Board Room, panelled in English oak, opens into the managing director's office;



THE BOARD ROOM

these, with other directors' and executive offices, occupy the first floor. The premises are served by a private automatic branch telephone exchange, which also gives communication with the laboratory and manufacturing premises at Wheeley's Lane, and with the company's other factory at King's Norton, five miles distant.

CHANGES OF ADDRESS.—Subscribers are requested to note that in all advices of this kind it is necessary to have both the old and new address, as our lists are kept alphabetically by towns in order to meet with the requirements of the postal authorities. Such advices should reach us not later than the first post on the Wednesday morning prior to going to press with the issue which it is desired to divert.

Pharmacy in Londonderry

Visitors to the British Pharmaceutical Conference who are contemplating a holiday in Ulster after the Belfast meeting should not omit Londonderry from their itinerary. In last week's *C. & D.* was an account of the history of the city; below we deal with the pharmaceutical side

SECOND city in Ulster so far as importance and population is concerned, Londonderry is rich in historical and industrial associations. It is one of the few walled cities in the United Kingdom and has the further rare distinction of the walls being complete. Any visitor to the British Pharmaceutical Conference who stays in Northern Ireland after June 28 will never regret spending a day or two in Derry. The name was changed to Londonderry owing to the city's associations with London, particularly during the 17th century, but the connection still exists through the Honourable the Irish Society, who pay an annual visit. It should also be noted that Derry can claim to have the oldest pharmacy in Ireland, that of Prior & Co. In 1880 there were only three or four pharmacists, to-day there are about two dozen. The Londonderry Chemists' and Druggists' Association was formed in 1920, mainly through the efforts of Mr. Hubert Sweeney. Mr. James Glendinning occupied the chair during the first year, and Mr. Hubert Sweeney conducted the secretarial duties. Every local retailer gave loyal support, realising that such an organisation could be made mutually helpful during a period of price irregularities. So successful was the work done during the opening period that the Association

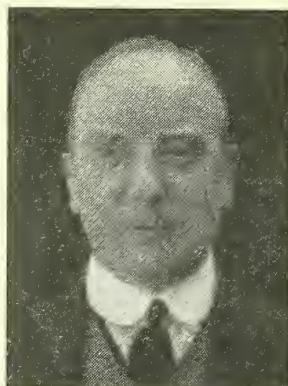
specialities. Prior to commencing business on his own Mr. Craig served as an apprentice and an assistant with Prior & Co., Londonderry, and followed up this excellent experience in such well-known pharmacies as those of Mr. Nicholl, Belfast, and T. R. Lester, Ltd., Cork. After returning for a further period to Belfast he purchased his present business from Dr. McCall and carries it on under the style of Craig & Wellwood.

Mr. Samuel Dale

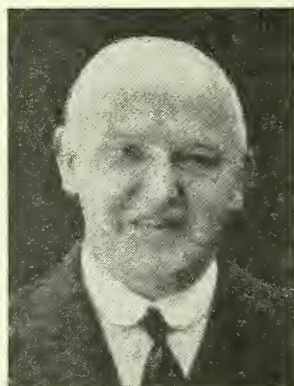
was apprenticed with S. J. McAdam, Omagh, and after leaving there obtained a varied experience in the establishments of Alexander Boyd & Co., Ltd., Lisburn; James Hill, Strabane; Hayes, Conyngham & Robinson, Ltd., Dublin; and the late W. F. Wells, Dublin. Mr. Dale was registered as a pharmaceutical chemist in 1901 and two years later commenced business in Derry, where he carries on a good dispensing, photographic and general trade. During the war he was dispenser to the Military Hospital in Londonderry. His interests outside his pharmacy relate chiefly to the Rotary Club, reading and photography.

Arthur E. Dickson

is the style under which Mr. Arthur E. Dickson, Ph.C., and his brother, Mr. W. H. Dickson, carry on a flourishing business at Waterloo Place. It was established by David Galbraith, druggist and perfumer, in Foyle Street, in 1857, and transferred to the present site in 1862. Ten years later the business passed into the hands of J. & G. McCaul, who carried on a large wholesale and retail trade. The year 1893 saw another change in ownership, as W. A. Frizell & Co. purchased the main establishment in Waterloo Place and conducted a high class dispensing and retail business until 1920, when Mr. Arthur E. Dickson purchased it. In 1929 the pharmacy was modernised and a most attractive shop front installed. Mr. A. E. Dickson commenced business in 1910, serving his apprenticeship at Ballinasloe, co. Galway. He then spent several years



MR. HUBERT SWEENEY, PH.C.



MR. J. GLENDINNING, PH.C.

tion has flourished, and still maintains a record for enthusiastic co-operation which is the envy and admiration of pharmacists throughout the country. A past-chairman, Mr. John Maxwell, Ph.C., had the honour of being elected a foundation member of the Pharmaceutical Society of Northern Ireland and occupied the president's chair in 1933-34. Reference to Mr. Maxwell's presidency recalls that the brass pestle and mortar in the Pharmaceutical Society's house in Belfast was presented to the Society recently by the Derry Association. The occasion was that of the visit to Londonderry of a deputation from the Society to invest Mr. Maxwell, who had been seriously ill, with a past-president's badge (see *C. & D.*, December 8, 1934, p. 705). The social side of the Association is not neglected, as the annual dinner is looked forward to, not only by the members, but also by favoured friends. The musical programme, provided principally by members and augmented by outside talent, is always of a high order, which is only to be expected in a city with such a reputation in the musical world.

Mr. H. L. Craig

is the proprietor of an establishment which has been in existence over eighty years and where he carries on a good dispensing, photographic and veterinary business. In furtherance of the last-named Mr. Craig attends the agricultural shows which are held in the district and supplies a large range of his own

NEW DRUG, OIL, AND COLOUR WAREHOUSE

THE SUBSCRIBER begs to intimate to the inhabitants of Londonderry and surrounding neighbourhood that he has commenced the above business at

119, FOYLE STREET

(Next Door to Mr. JOHN CASEY'S, and nearly Opposite Shipquay gate.)

Having Purchased a Stock of Pure DRUGS, CHEMICALS, &c., in the best Markets, he trusts by personal attention to Business, and Moderate Charges, to merit a share of public confidence and patronage.

January 10, 1857

DAVID GALBRAITH

PATENT MEDICINES—F. S. CLAVER'S Celebrated TOILET SOAPS AND PERFUMES

FROM "THE LONDONDERRY SENTINEL," JANUARY 15, 1857.
THE BUSINESS, NOW OWNED BY MR. A. S. DICKSON, WAS
TRANSFERRED TO ITS PRESENT SITE ON SEPTEMBER 26, 1862.

with Mr. H. E. Young, Londonderry, and after further experience in Newry, qualified in 1918. Between that time and starting on his own account Mr. Dickson managed a branch of Gibson's Medical Hall, Belfast. His Derry business is a high class dispensing one with a large toilet and fancy goods trade, while photography plays a no less important part; all the work is done on the premises in a department well equipped for processing in all its branches. Mr. Dickson was one of the first members of the local association and was secretary for seven consecutive years. When a local branch of the P.D.A. was formed he acted in a similar capacity for several years.

Mr. W. A. Gamble,

who is one of the younger generation of pharmacists, was apprenticed with Mr. Mitchell, Derry, and after a period with Mr. D. L. Byrne, Belfast, qualified in 1928. He then went for a time as manager with H. D. Starkey, Ltd., Antrim, and in 1930 opened at his present premises in Carlisle Road, where he has developed a good dispensing, toilet and photographic business. Mr. Gamble was for two years secretary of the Londonderry Chemists' and Druggists' Association. Outside pharmacy he is keenly interested in badminton and tennis.

LONDONDERRY PHARMACIES

W.C. MITCHELL & CO

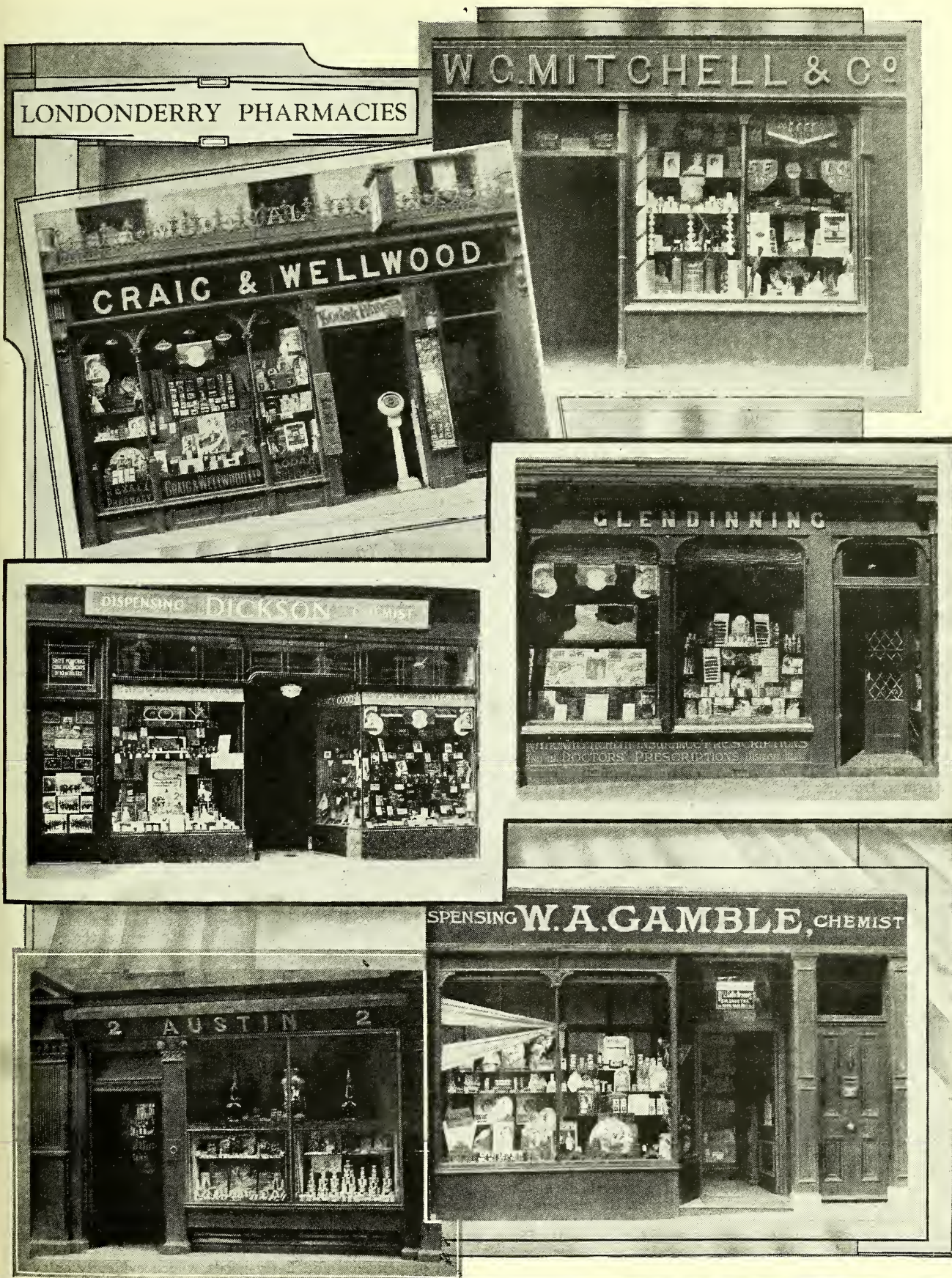
CRAIG & WELLWOOD

GLENDINNING

DISPENSING DICKSON & CRIST

DISPENSING W.A. GAMBLE, CHEMIST

2 AUSTIN 2



Mr. J. Glendinning

was apprenticed with Prior & Co., in Derry. He next went to Mr. T. W. (now Sir Thomas) Robinson in Kingstown, then on to the historic business of Evans in Dawson Street, Dublin. After further experience in that city Mr. Glendinning returned to Derry and following a period with Dr. Frizell he commenced in business for himself. Not only has he a good all-round business, with one of the best photographic departments in the Six Counties, but Mr. Glendinning has achieved fame as the maker of a single solution marking ink which is used by shirt and collar manufacturers the world over. Moreover this ink has never been advertised in the Press but has sold entirely on its own merit. Another speciality which is becoming well known is Dapper hair cream. So far as the cares of business permit Mr. Glendinning enjoys fishing and motoring, though in the years gone by his great interest used to be rowing, and he was a member of at least one championship crew.

Mr. H. M. Kelly,

who is the local secretary of the P.A.T.A., has been established in Duke Street since 1919, when he purchased the business of Mr. D. N. Stewart. Before commencing on his own Mr. Kelly served his apprenticeship with Mr. H. Lancashire, Ballymena, had been with Grattan & Co., Ltd., Belfast, and then as manager with Hayes, Conyngham & Robinson, Ltd., in Dublin and Queenstown. Mr. Kelly is a member of the General Pharmaceutical Committee and the Joint Services Committee under the National Health Insurance.

Mr. M. L. McCormick

is a native of Londonderry and was apprenticed there to W. A. Frizell & Co. He subsequently spent twenty-five years in Mullingar and a few years ago commenced in business on his own account in Derry. He is chairman of the local association at the present time.

John Mortimer & Co.

have a large and well-fitted pharmacy, which is under the personal supervision of Mr. Robert Blair, Ph.C., proprietor, who speaks favourably of the amount of business being done both in the retail department and also in the wholesale. A number of the firm's specialities have an excellent reputation, notably, Cough-no-More, Rheumatic tablets, and Angleberry Ointment. Supplies for chemists in the Irish Free State are despatched from their warehouse at Bridgend (co. Donegal), where the leading lines are packed. Mr. Blair, jun., represents the firm as traveller and Miss Blair takes charge of the office.

Prior & Co.,

whose business is situated in Ferryquay Street, was founded in 1765, in the reign of George III, and in the 170 years of its existence it has passed through five reigns and has had four proprietors. It was first in the possession of Surgeon John Maginnis, who was knighted for his services as Mayor of Derry. After a period of forty years he was succeeded by Dr. W. J. Eames, who carried on a most successful business, and the family were very well known throughout Ireland, one of his sons being a surgeon in one of the Franklin Relief Expeditions. Dr. Eames had the honour of entertaining Charles Lever and other well-known celebrities on their visiting Londonderry. About 1854 Henry M. Prior, a Londoner, stepson of Sir Samuel Wilks, Bt., physician to the late Queen Victoria, joined the firm and as proprietor continued it up to 1904, when the old premises were destroyed by a fire, which demolished the Old Town Hall, then used as a school of art. The present premises were then erected and business continued under the proprietorship of Mr. John Maxwell. Mr. Maxwell entered the firm in 1890, after having served his time in the well-known firm of Rankin & Borland, Kilmarnock. While in Edinburgh, with Baildon, Ltd., Princes Street, he took his Minor, then crossed to Ireland, where, after a couple of years with Grattan & Co., Ltd., Belfast, he came to Londonderry to settle down. Mr. Maxwell is one of the most popular figures in the old City, and is president of the local Burns Club, a position which he has held for some years. In 1933 he became President of the Pharmaceutical Society of Northern Ireland, but unfortunately his health now does not permit him to take an active part, and he

hopes to renew some of his old friendships at the coming conference in Belfast. When the Northern Government was formed Messrs. Prior were appointed chemists to His Grace the Governor.

Robert Smith & Co.,

wholesale druggists, Foyle Street, was founded about sixty years ago by the late Robert Smith, and was successfully carried on by him until his death in July 1912. Since then the business passed into the hands of his son, Mr. Harry Smith, who has enlarged it to a considerable extent. In this respect the firm had the valuable assistance of the late R. J. Davis as book-keeper for fifty-six years and also Mr. John Thompson, who was about forty-five years with the firm as chemist. At the present time some of the employees have been with the firm for forty years. Recently the retail side of the business was closed down, and this enables more care and attention to be devoted to the wholesale, which is steadily growing.

Mr. H. Sweeney

is another successful chemist who commenced his pharmaceutical career with Prior & Co., Derry—four years as an apprentice and a similar number as an assistant. He then went on to another fine business, that of the late Mr. W. F. Wells, in Dublin. After qualifying in 1914 Mr. Sweeney held positions in Bangor and Larne before taking over his present business from Mr. T. J. Rainey in 1917. About nine years ago he moved across the street to more commodious premises and he carries on there a good general business. Mr. Sweeney is greatly interested in music and is a member of the local Philharmonic Society.

Mr. H. E. Young

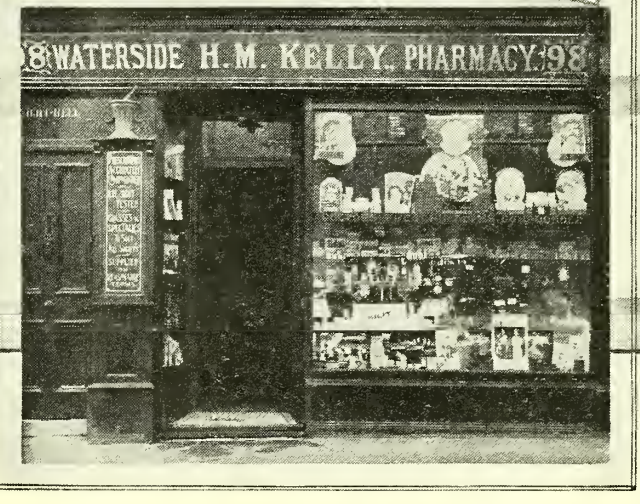
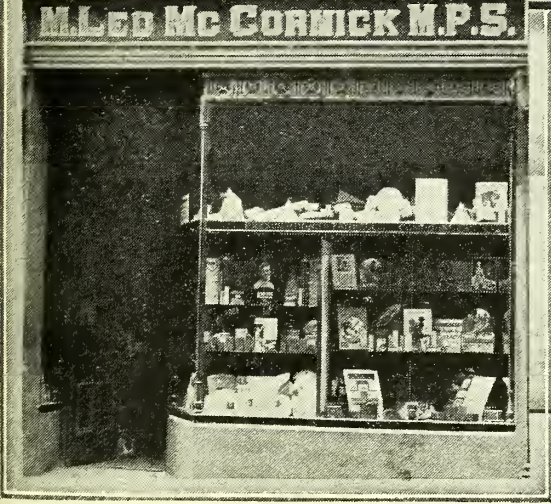
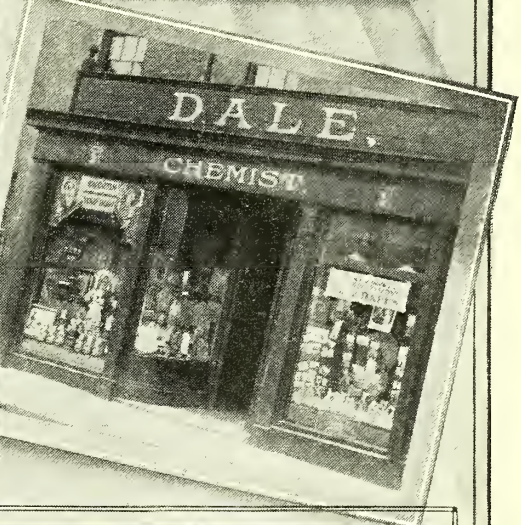
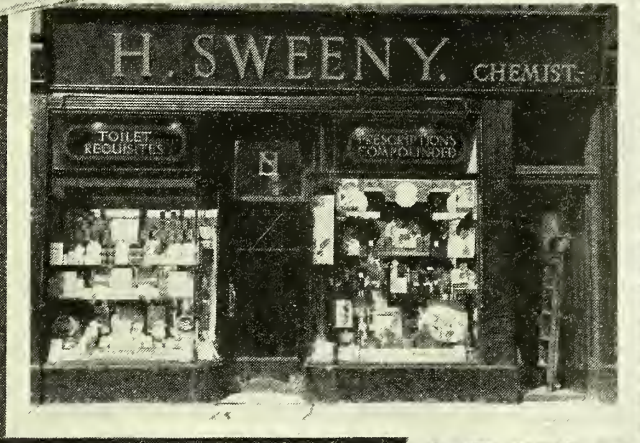
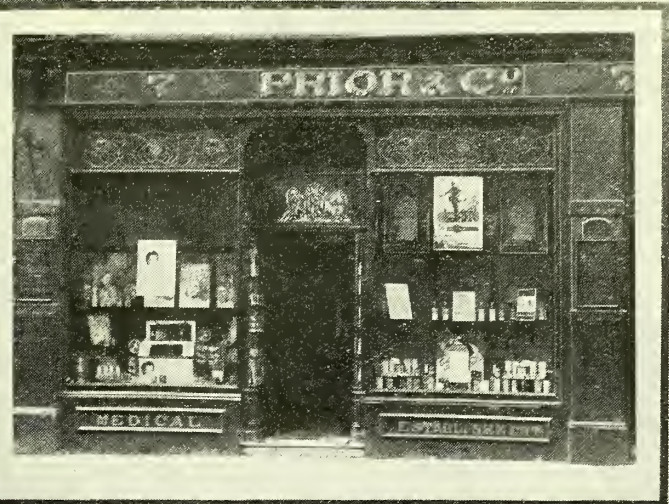
commenced his pharmaceutical career in Portrush, first as an apprentice to Dr. Martin and then with Mr. Boggs. He next proceeded to Dublin, where he was engaged in the establishments of Hayes, Conyngham & Robinson, Ltd., and Mr. John Smith. Mr. Young became a pharmaceutical chemist in 1904 and two years later acquired his present premises, which he rebuilt in 1913. He has a flourishing photographic business and, it is interesting to note, was one of the first chemists to install apparatus for developing and printing work on a large scale. Speaking of the changes which have taken place in pharmacy Mr. Young referred with regret to the modern tendency of medical practitioners to prescribe proprietary articles, but with appreciation of the fact that pharmacies nowadays close at 8 p.m. instead of 11 p.m. though even this does not leave much time for indulging in his hobbies of golf and motoring.

Reminiscences of Half a Century

AN INTERVIEW WITH MR. J. THOMPSON, PH.C., LONDONDERRY

WHEN Mr. Thompson passed the Licence examination of the Pharmaceutical Society of Ireland in 1887 he was the youngest pharmaceutical chemist in Ireland. His birthday was on May 28 and the examination on June 1. Speaking of his early years in pharmacy, Mr. Thompson says: It is more than fifty years since I commenced my apprenticeship with the late Sir William Baxter, Coleraine, and I have been for some years the senior practising pharmacist in Londonderry. During the greater portion of my early years in pharmacy an apprentice had experience in the preparation of many B.P. products which it is now customary to purchase from wholesale manufacturers. Everyday routine included the making of pills, plasters, ointments, fresh infusions, tinctures, and so forth. When I visit modern pharmacies and see prescriptions calling for such items as pills, suppositories, emulsions and proprietary remedies, all of which can be supplied from stock, memory recalls the hours of hard labour spent in preparing pil. ferri, ung. hyd. nit., lin. pot. iodid. c. sapone, and I wonder if the modern pharmacist is an improvement on the old vintage. Old timers may regret that the march of progress has relegated the dignified carboys, specie jars and shop rounds to the background in favour of up-to-date displays of toilet preparations and fancy goods, which evidently enjoy an

LONDONDERRY PHARMACIES



increasing sale, but there is no doubt that the modern shop is more attractive and is better equipped to cope with the wider demands of the public. In this respect I think Londonderry has not remained stationary; the city has grown, but phar-



MR. J. THOMPSON, PH.C.

macy has kept in step with its growth, this fact being borne out by the present number of retail establishments, which are four times as numerous as they were twenty years ago. I qualified in Dublin in 1887, after a period of study in the Carmichael School of Medicine and classes conducted by the late Professor Tichborne at North Great George's Street. In 1889 I came to Londonderry, joining the staff of Robert Smith & Co., who carried on a large wholesale and retail business in Foyle Street. The old firm is still in existence, though the retail section has been closed down.

OLD-ESTABLISHED BUSINESSES

In my first tour of the City I recollect the following establishments: Prior & Co., J. & G. McCaul (two shops), Dr. Taaffe, "Professor" Shepherd, W. P. Allen, and D. Galbraith. It is interesting to note that four of these old businesses are still carried on successfully in the original buildings—Mr. J. Maxwell (Prior & Co.), Mr. A. E. Dickson and Craig & Wellwood (J. & G. McCaul), and Mr. J. Glendinning (Taaffe's). In 1892 I was appointed by the Board of Guardians as compounder in the city dispensaries, a position I still hold. Conditions generally in this service remain practically unchanged. The numbers of prescriptions dispensed have been increasing from year to year, and it may be of interest to my younger brethren to know that the present weekly average is 1,250, dispensed during eighteen hours of duty. Although the use of stock mixtures is compulsory in order to get through the work, it will be realised that "grass is not allowed to grow under one's feet." I note with pleasure the tendency to shorter working hours, it being no longer necessary to burn midnight oil, as was customary in olden times. I have been a reader of THE CHEMIST AND DRUGGIST since my apprenticeship days, and have always found it full of helpful information, and would strongly recommend every apprentice to read, mark, learn and inwardly digest it for at least half an hour each week. I am taking it for granted that all pharmacists appreciate the value of this excellent journal.

A CHEQUE for £68 16s. has been sent from Arthur H. Cox & Co., Ltd., and directors, employees and representatives, to King George's Jubilee Trust Fund.

"INDEX KEWENSIS."—The Appendix to the Kew Gardens "Bulletin of Miscellaneous Information" for the year 1934 states that about 16,000 new names have been card-indexed since the publication of the Eighth Supplement to the "Index Kewensis," and that these are available at the Gardens.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1935, p. 323.

(From "The Trade Marks Journal," May 29, 1935.)

- "THURIDIN"; for medicinal chemicals (3). By British Dyestuffs Corporation, Ltd., Imperial Chemical House, Millbank, S.W.1, and The British Drug Houses, Ltd., 16/32 Graham Street, City Road, N.1. 548,732. [Corrected note.]
- "LYSANTHINE"; for medicinal chemicals (3). By P. P. P. Astier, 45 rue du Docteur Blanche, Paris, France. 557,791.
- "PAL"; for medicated laxative powders (3). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 558,046.
- "YOCK"; for medicinal chemicals, excluding soap (3). By J. Poulson, 329 County Chambers, Corporation Street, Birmingham, 2. 558,223.
- "MINSEC"; for insect-repelling preparations (3). By G. Jones, 4 Commercial Road, Newport, Mon. 558,830.
- "SAGRAMEL" and "STELLIDIN"; for medicinal chemicals (3). By May & Baker, Ltd., 42/43 St. Paul's Churchyard, London, E.C.4. 558,993. 559,817.
- "HORMOSTINASE"; for medicated preparations (3). By Ellentee, Ltd., 158/162 Oxford Street, London, W.1. 559,794.
- "YERBAMA"; for medicated herbal preparations (3). By C. J. Hand, 186 Shaftesbury Avenue, London, W.C.2. 559,805.
- "KNABOB"; for indiarubber contrivances (11). By Lymans, Ltd., 286 St. Paul Street West, Montreal, Canada. 558,346.
- "VARTVAID"; for surgical instruments, etc. (11). By M. H. Wyse, 179/180 Piccadilly, London, W.1. 559,898.
- "VASELINE HAIR TONIC" on conventional design with name of applicants; for toilet preparations for the hair (48). By Chesebrough Manufacturing Co., Con., 17 State Street, New York, U.S.A. 558,149. (Associated.)
- "CETIOL"; for cosmetics (48). By H. Th. Bohme, A.-G., Moritzstrasse, Chemnitz, Germany. 556,442.
- "VITAMIC"; for perfumery, etc. (48). By Tokalon, Ltd., Chase Road, London, N.W.10. 559,731. (Associated.)

APPLICATION AMENDMENTS

The specification for "RIL" in Class 48, No. 552,823, by Thornton Pharmaceutical Laboratories, Ltd., has been amended by deleting "perfumed soap."

The specification for Trade Mark No. 548,281, in Class 2, by T. Ryan Somerville & Co., Ltd., has been amended to read "Chemical substances used for agricultural and horticultural purposes but not including disinfectant soap."

(From "The Trade Marks Journal," June 5, 1935.)

- "NEUTRO"; for chemical emulsifiers (1). By Amoa Chemical Co., Ltd., 9 Marvels Parade, Grove Park, London, S.E.12. 549,987.
- "SUPERSORBON"; for chemicals (1). By British Carbo-Union, Ltd., 52 Grosvenor Gardens, London, S.W.1. 558,689. (Associated.)
- "KALSOL"; for water softeners (1). By Britannica Industries, Ltd., 14 Waterloo Place, London, S.W.1. 558,725.
- "MOLJOY"; for water softeners (1). By R. Johnson, Clapham & Morris, Ltd., Jacem House, 3rd Avenue, Trafford Park, Manchester. 559,933.
- "ZYROTE"; for chemical powders for treatment of plants (2). By Tilken, 13 Winfield Street, Rugby. 559,196.

Business Changes

MR. E. H. WILLS, chemist and druggist, is opening a pharmacy at 9 Copnor Road, Portsmouth.

BOOTS, LTD., have acquired the business of Mr. G. R. Jones, chemist and druggist, The Square, Llanrwst.

MR. D. MORRICK, chemist and druggist, has taken over the business of T. Scott & Co., 458 Dumbarton Road, Partick, Glasgow.

MR. ALEXANDER MCKINLEY, chemist and druggist, has acquired the business of Mr. Malcolm Scott, 48 High Street, Bonnyrigg.

MR. G. MACKIE, chemist and druggist, has acquired the business of Mr. W. Brownlie, chemist and druggist, Meadow Place, Skelmorlie, Ayrshire. [Corrected note.]

Poisons Board Report

Various Points of View by Representative Experts

By Herbert Skinner, Ph.C.

THE report of the Poisons Board requires sixty pages to give its Poisons Schedules, its Rules, and explanations why it has arrived at its conclusions. That extensive exposition opens out possibilities of controversy which are likely to prove interesting during the ensuing months. Thirty-eight pages cover explanations; two pages cover the actual list; and eighteen are necessary for the Rules and records. The introduction informs us that "preparations and admixtures" are dismissed as the word "substance," once it represents the poison, remains so until its identity is chemically (and perhaps physically) lost. Similarly "derivatives" vanish, and we are frankly told that "the list as drafted is open to the objection that it leaves the public to seek technical assistance to discover what in some cases it includes." This is surely a touch of humour, as the public cannot be concerned with what is in a Poisons List; but chemists will require some simplification, and the Board recommend (for the public) "an explanatory appendix or memorandum, giving in detail, with their popular names, the articles commonly found in commerce that are included in the List."

Technical nomenclature is easily forgotten, and it is some comfort to know an explanation of chemical nomenclature will be forthcoming. Space is given to the position of aspirin in the mortality statistics, and though 106 fatalities are recorded in eight years, with an admitted increase, the evidence did not seem sufficient to schedule this medicinal product on account of the quantities consumed. Industrial poisons, comprising substances which give off poisonous vapours, are set apart for rules governing toxic substances used in industry, though on account of the medicinal value of carbon tetrachloride it is included in the List. Phenol and its homologues occupy a special position. The criticism that arose over the tentative proposals has led to the omission of phenols contained in essential oils such as carvacrol and thymol. The term "homologue" is dropped and the word "phenol" used with a lengthy explanation. The articles in Part I are for the most part what was expected, but what appeals most to the chemist is what is allocated to Part II. Considerable attention was given to the distribution of poisons as between Part I and Part II, especially to the desirability of restricting the second part to substances for other than human ailments.

Lysol has a special section to itself: the Committee was divided, and the reasoning is given from the respective points of view. The result was to retain lysol and dilutions in Part I of the List; and though it is only by a majority of the Board, chemists, who know only too well the travesty of disinfecting with lysol solutions, will be pleased at this result. The Rules will provide controversy for some time to come. Paragraph 36 says: "The principal safeguard against the accidental taking of a poison . . . is a control designed to ensure that persons handling poisons are made aware . . . by means of cautionary labelling, markings or shape of the container." It seems that here an opportunity was lost of emphasising the value of canalising supplies to those trained for the express purpose of handling poisons and their distribution.

Certain drugs, including the barbiturates, phenylcinchoninic acid, dinitrophenol and sulphonal are placed in a Third Schedule and restricted to prescription supply. That, at least, should make for greater care in supply; but whether it will operate medically to produce greater care is open to question. The restrictions applying to listed sellers of poisons, though fairly satisfactory on paper, will depend entirely on local authorities for administration. Retail sale of strychnine is to be entirely prohibited except as an ingredient of medicine, which means the suppression of strychnine vermin killers. One good proviso is made with regard to labelling, whereby chemical names shall not be used for creating false impressions. Storage and transport are fairly well covered, and hospitals and dispensaries receive special attention. It is assumed that where charges are made to out-patients this is tantamount to a sale; but it is very questionable whether any Court would uphold that opinion. Largely the Rules relating to poisons in hospitals are those being applied at the present time in large institutions.

Control of the manufacture of pharmaceutical preparations containing poisons is provided for, and a new class is specified, namely, anyone who for three prior years has been so employed.

A first study reveals a satisfactory effort to solve a difficult problem; the rules are many and at first a little confusing, as the important ones must be read in conjunction with something else. More detailed analysis may show flaws; but praise is due to the Board on the completion of an arduous piece of work.

By E. G. Bryant, Ph.D., Ph.C.

A SOMEWHAT RAPID SURVEY of the report of the Poisons Board reveals the very great care which has been taken to present the whole position with regard to the distribution of poisons. An immense amount of information must be collected and collated in order to arrive at anything like a just conclusion as to the precise restrictions which should be imposed so as not to hinder the free use of poisonous substances which are necessary in industry, for the maintenance of public health, and for use in agriculture, and, at the same time, not unduly to harass those who are engaged in the distribution of these substances. A large number of interests are involved, and it may be rather difficult for the retailer sometimes to realise that, after all, there is a vast commerce in poisons in which he has no share, and, indeed, cannot have. The Poisons Board has had all the claims of the numerous interests before it, and has adjusted its recommendations to their needs with admirable balance. In a fashion rather unusual in a Government report it has presented to the reader of the report the arguments which have weighed with it in arriving at its conclusions, as, for example, in paragraphs 32, 33 and 34, regarding the use and sale of lysol. It is not often that the public is admitted to a view of the workings of a Government Committee in this way, and the effect is not only most interesting, but also of great value. Equally admirable is the survey of the risks of misuse of poisons against which control is directed. The Board has very clearly used the utmost care that the public and the seller alike shall be adequately safeguarded, whilst not unduly harassed with unnecessary restrictions.

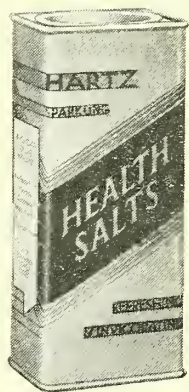
We are naturally most concerned with the effects of the new regulations upon the retail pharmacist. First, such ambiguous and troublesome terms as "preparation," "admixture" and "derivative" are abandoned, and the clear statement that "a reference to a substance shall include a reference to that substance when contained as such in any preparation, solution, admixture or natural substance" takes its place. There can be no such question in the future as, for example, whether tablets of corrosive sublimate should be signed for or not. In the second place, the regulations regarding signed orders and the signing of the poisons register are codified and greatly simplified. The effect of these is that variations in the practice of different vendors, which must have been irritating to pharmacists and purchasers alike, will now be a thing of the past. We may hope that the distribution of poisons by retail will be a much more uniform and less vexatious proceeding. Poisons of the barbituric acid group, the definition of which is widened so as to include all barbituric acid derivatives, are only to be distributed on the prescription of medical practitioners, dentists or veterinary surgeons, as are the dinitrophenols, phenylcinchoninic acid compounds and sulphonal hypnotics. It will be a good thing for pharmacists to be relieved of the responsibility of selling or declining to sell these potent drugs. They have often been brought into conflict with coroners on this very matter. Lastly, lysol and lysol "solutions" will be sold only by authorised sellers of poisons, and pharmacists will, in this direction also, be spared the irritating necessity of justifying to their customers the greater potency of their lysol to that of inferior preparations vended by unqualified traders. As a teacher, one hails the report with satisfaction, because of the clearing up of many unsatisfactory features of the old Schedules, and it is a justifiable conclusion that pharmacy in general will be in a much stronger position when the regulations become operative.

(To be continued)

Trade Notes

ILFORD, LTD., are holding an exhibition of photographs at their Holborn Galleries, London, W.C. This has been organised in co-operation with the Air Ministry and gives a comprehensive idea of the Royal Air Force activities at home and abroad.

HARTZ HEALTH SALTS.—Robert Blackie, Shen Works, Tower Bridge Road, London, S.E.1, have recently placed on the market Hartz Health Salts, which is stated to be free from sugar and sulphates. It is issued in square decorated tins with aluminised finish. There are two sizes available, and special counter bills are supplied with orders.



MILK SOAP PREPARATIONS.—John Dew, Ltd., 180 New Bond Street, London, W.1, have recently issued lists giving revised trade terms. Sales aids are available to chemists stocking these products. A specimen of John Dew's Milk Soap will be sent on request. Free sample tablets are supplied with orders for one to three dozen boxes of three.

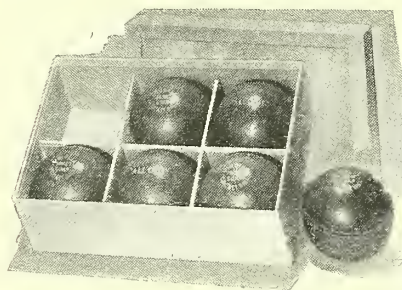
POULTRY DISEASES.—Putnam's Dependable Service, Northam, Devon, direct attention to Chlorozone and Putnam Gizzard Capsules, the former being suggested as an internal disinfectant. The Putnam gizzard capsules are suggested for eradication of worms in poultry.

HERBAL LAXATIVE.—Brooks & Warburton, Ltd., 232-240 Vauxhall Bridge Road, London, S.W.1, are offering a display allowance on certain orders for Inner-Clean Herbal Laxative. This discount can be obtained from wholesalers or direct. The preparation is nationally advertised.

REXALL.—In this issue the United Drug Co., Ltd., Nottingham, are advertising showcards in colours for Rexall chemists. The subjects are Rexall Beauty Milk and Wave Setting Lotion. Attention is directed to the offer that inquiries from districts not already covered by a Rexall agency will receive attention.

MODERN HAIR DRESSING.—The proprietors of Nufix Hair Dressing are offering a show-stand for use as a means of displaying Nufix in window-dressing schemes. Nufix is described as a fixative dressing which contains no gum and does not soil the headwear or bed linen. The proprietors give every assistance to retailers by supplying material for propaganda purposes.

NOVELTY SOAP PACK.—Vinolia Co., Ltd., Bebbington, Cheshire, inform us that they have revived the novelty pack of Vinolia soap cricket balls.



The size, style and colour closely approximate a cricket ball, although in point of fact the weight of soap is 7 oz. against the standard 5½ oz. of a cricket ball. The soap balls are made from the Vinolia toilet soap base and present a brown Windsor type of perfume. They are packed

in attractive cellophaned lid display boxes of six.

"HOLIDAY PHOTOGRAPHY" is the title of a booklet being issued by Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1. It is written in non-technical language which even the least experienced will be able to follow. The reader is conducted on an imaginary motor tour during which a roll of film is exposed upon eight different types of subjects, the reasons for the differing exposures being explained. Developing and printing are described with appropriate detail. Copies of the booklet may be obtained free on application.

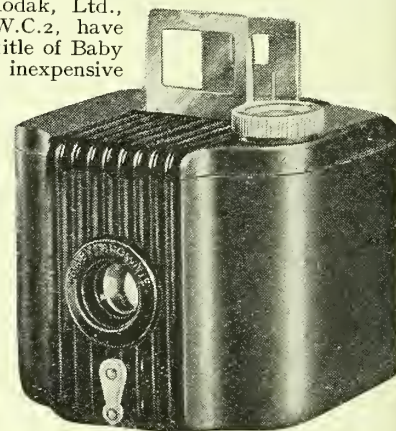
POSTER ADVERTISING.—The Borough Billposting Co., Ranelagh Road, Grosvenor Road, London, S.W.1, have issued a very handsome book of posters produced by them for their clients. The book is printed in colour and is intended for distribution among the executives of those firms who are interested in billposting.

P. V. STEADMAN & Co., Buntingbridge Works, Horns Road, Barkingside, Essex, are offering a pumice soap which removes oil and grime from the hands without injury to the skin. The claim is made that it lathers readily and lasts well. The soap tablets are packed in boxes of three dozen. Sample tablets are sent free on application.

ARTHUR H. COX & Co., LTD., manufacturing chemists, Brighton, inform us that their representative, Mrs. Hallam, "St. Gertrudes," Hampton Road, Worcester Park, Surrey, has had her residence ransacked by burglars, and the company ask that any orders might be sent direct to them, as Mrs. Hallam is giving up the house.

SUN-BATHING PREPARATIONS.—F. S. Cleaver & Sons, Ltd., 4 Lloyds Avenue, London, E.C.3, have recently issued three sunburn preparations, oil, cream and powder. It is claimed that these preparations are scientifically prepared and are designed to enable the user to secure an even and natural tan in the shortest possible time. By way of introduction a special bonus is offered.

A NEW CAMERA.—Kodak, Ltd., Kingsway, London, W.C.2, have introduced under the title of Baby Brownie a new and inexpensive box-form camera. It takes a standard vest-pocket size film, giving contact prints 2½ in. by 1½ in., while the focal length of the lens is such that pictures are in focus from 5 ft. to infinity. The camera has a moulded body, the lens is in front of the shutter, and, as will be seen from the illustration, there is a direct vision view finder. Six cameras are packed in a display outer.



PHOTOGRAPHIC FILMS.—Photographic Film Manufacturers, Ltd., Rickmansworth, Herts, draw attention in our advertisement pages to "Comet" celluloid roll films (size 2½ x 3½) giving four exposures. The suggestion is made that amateur photography has been losing popularity for several years because it is too expensive, and accordingly a cheaper roll film will enable the amateur photographer to indulge in his hobby at a smaller initial expenditure. Further, by the introduction of a smaller film roll it is considered possible that necessary encouragement will be given to the developing and printing side of the trade.

GRANVILLE FILMS.—We have received the following flattering tribute from the sales manager of Granville Gulliman & Co., Ltd., Leamington Spa:—

"We are prompted to write to you in connection with the advertisement of ours which appeared in a recent issue. The response to this has been enormous, and as it is the first of our advertisements which we have placed with you it is very gratifying indeed. Not only are new customers writing to us, but we have also received appreciations from old customers, a typical excerpt of which is quoted as follows:—

"... our first season as a Granville agent has done what we have been trying to do for years, viz., "buck up" photographic business so far as we are concerned to the peak.

In conclusion, we would like to add that we consider your issue the finest medium of reaching the photographic trade and we shall bear you in mind for future advertising."

Births

Notices for insertion in this column must be properly authenticated.

REID.—At Pharmacy House, Walton-on-the-Hill, Surrey, on June 6, Winifred Margaret (*née* Taylor), the wife of Thomas Reid, M.P.S., of a son.

Marriages

BLACKWELL—READ.—At St. John's Church, Lower Weston, Bath, on June 1, Charles Henry Blackwell, chemist and druggist, to Violet Annie Read.

HIGGS—TUCK.—At the Parish Church of St. Peter, Brighton, on June 5, Philip Norris, youngest son of Mr. Alfred Higgs, J.P., M.P.S., Kingston-on-Thames, to Phoebe Doris Tuck, Brighton.

HOMEWOOD—PARRY.—At St. Mary Magdalen, Harlow Common, Essex, on June 8, by the Rev. J. D. Elwell, M.A., assisted by the Rev. J. Fisher, M.A., Hector Homewood, M.A., son of Mr. W. Homewood, Beaconsfield, and of the late Mrs. W. Homewood, to Lillie Joan, younger daughter of Dr. and Mrs. Ernest J. Parry, Harlow. The reception was held at Kingsdon Hall, Harlow, the residence of the bride's parents.

MORGAN—LETLEY.—At Avenue Baptist Church, Southend-on-Sea, on June 10, Norman Elvet Morgan, chemist and druggist, to Winifred Vera Letley.

PHILLIPS—DAVIS.—At All Saints' Church, Fulham, London, London, S.W., on May 20, Leonard Cecil Phillips, chemist and druggist, to L. M. Davis.

RUSBY—ARMITAGE.—At Salem Church, Leeds, on June 6, Ronald, eldest son of Mr. H. Rusby, Moortown, Leeds, to Eileen Mary, second daughter of Mr. N. N. Armitage, Ph.C., M.P.S. (ex-president of P.A.T.A.), Burley Wood, Leeds.

Deaths

ARMSTRONG.—On June 7, Councillor Frederick William Armstrong, chemist and druggist, Seaham Harbour, aged sixty-six. Mr. Armstrong went to Seaham Harbour from Chester-le-Street about thirty years ago to manage the pharmacy owned by the late Mr. William Storey. After a few years he took over the business, which he developed considerably, and later opened a branch at Deneside. Mr. Armstrong had been a member of the local Urban Council for sixteen years, had served as its chairman and as a magistrate. He leaves a widow and three sons, one of whom is a medical practitioner at Nelson.

BRADLEY.—Recently, Mr. Frederick William Bradley, chemist and druggist and dentist, Wisbech, aged seventy.

CLARKE.—At Scarborough, recently, Mr. Thomas Watson Clarke, chemist and druggist, late of West Street, Gateshead-on-Tyne, aged eighty-six.

CULLWICK.—At Smethwick, recently, Mr. John Henry Cullwick, chemist and druggist, aged sixty-five.

HIRST.—At Bolton, on May 18, Mr. Frederick Beaumont Hirst, Ph.C., F.S.M.C., aged fifty-nine.

NELSON.—Recently, Mr. Charles Tindall Nelson, chemist and druggist, Tamworth, aged fifty-four.

THOMAS.—On May 16, Mr. Charles Herbert Thomas, chemist and druggist, for many years in business at the Knightstone Pharmacy, Church Road, Weston-super-Mare, aged sixty-two.

WATTS.—Recently, Mr. Albert Arthur Watts, chemist and druggist, St. Annes-on-the-Sea, aged fifty-four. Mr. Watts leaves two sons, one of whom, Mr. D. P. Watts, chemist and druggist, was associated with him in the business of A. J. Watts, Ltd.

Personalities

ALDERMAN J. D. ROSE, J.P., chemist and druggist, Jarrow, has been admitted as an honorary freeman of the borough (see *C. & D.*, May 11, p. 569).

MR. MARTIN DANIELS, managing director, United Drug Co., Ltd., Nottingham, left Liverpool per the s.s. "Laconia" on June 8. He will attend the Jubilee Convention of the Rexall agents in Canada, which takes place in Toronto during the first week in July.

MR. GEORGE MORRISON has been appointed general manager of Beechams Pills, Ltd., St. Helens, in succession to the late Mr. Austin Scott. Mr. Morrison, who is a director of A. F. Sherley & Co., Ltd., and Lintox, Ltd., has been elected to a seat on the board of the company.

MR. J. DAVIDSON PRATT, O.B.E., M.A., B.Sc., general manager of the Association of British Chemical Manufacturers, gave a lecture on "Gas Defence" at the annual meeting of the British Science Guild on June 12. Reprints of the lecture (1s.) may be obtained from the Guild, 6 John Street, Adelphi, London, W.C.2.

MR. G. I. AKEROYD, M.P.S., who has been appointed sales director of Boots, Ltd., commenced his managerial career with the company in 1913. After six years as an inspector (1915 to 1921) he was made general sales manager. He has been a member of the Incorporated Sales Managers' Association since 1922, and was elected to its Council in 1933.

MRS. HENRIETTA E. SKINNER, chemist and druggist, the newly elected president of the National Association of Women Pharmacists, is the wife of Mr. Herbert Skinner, Ph.C., a past-president of the Pharmaceutical Society. Her father was the late Dr. C. C. Claremont, Southsea, and her grandfather, Dr. Claremont, was in practice for many years at Mornington Crescent, London, N.W., so that Mrs. Skinner has had exceptional opportunities of gaining knowledge of medicaments and their application. Mrs. Skinner was apprenticed at the Royal Portsmouth Hospital; during that time she studied materia medica and chemistry at the Portsmouth Municipal College under Miss Elsie Hooper, B.Sc., Ph.C., one of the founders of the Women Pharmacists' Association. She was for a short time with Burroughs Wellcome & Co., Snow Hill, London, E.C.1. In 1913, on the inception of the National Health Insurance scheme, she assisted Miss Dorothy Braithwaite when the Pricing Bureau was first formed; otherwise Mrs. Skinner has specialised in hospital pharmacy, having gained valuable experience as assistant for a number of years at the Royal Northern Hospital. Later she was, until her marriage, senior assistant at the North Middlesex Hospital.



MRS. H. E. SKINNER.

AMONG the recipients of honours conferred on the occasion of the King's birthday (in addition to those mentioned in the *C. & D.*, June 8) was Mr. Charles Arthur Wrench, who has received a knighthood. Sir Charles is a director of Stevenson & Howell, Ltd., London, S.E.1, and honorary secretary of the London Federation of Boys' Clubs.

Wills

MR. ALEXANDER L. STRACHAN, 82 Beaconsfield Place, Aberdeen, chemist and druggist, left estate valued at £14,176.

MR. SAMUEL PARKER, 24 Bold Street, Morecambe, and Heysham, Lancs, chemist and druggist, a founder of Brook, Parker & Co., Ltd., wholesale druggists, of Bradford, who died on March 5 last, aged ninety-one, left estate gross value £15,113, with net personality £14,622.

Telegrams :
"Atoleine"
Sedist,
London."



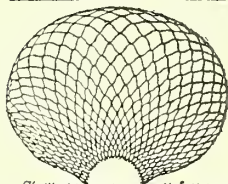
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SUNBURN LOTION IS UNIQUE

Supplied with Chemist's name and address

Send for Sample & Prices

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The World's most popular Hair-Net

"TIDY-WEAR"

3/4 CAP SHAPE

HAIR-NETS

RETAIL 3 FOR 1/- IN POCHETTE.
WHITE or GREY DOUBLE PRICE

from

MAY ROBERTS, COCKBURNS, GLASGOW
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ALL CHEMISTS SHOULD STOCK

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THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits.
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(Registered)

Containing Bismuth, Magnesia, Pepsin, Bicarbonate of Soda
and Peppermint. 7 lbs., 2/9 per lb.; 14 lbs., 2/8 per lb.; 28 lbs.,
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Envelopes and cartons free with all orders.
Handsome coloured showcards on application.

C. M. X. ANTISEPTIC

Chloro-Meta-Xylenol in a Saponaceous Solution of Essential Oils.

... offers a wide field of utility. A new type of germicide,
potent, non-poisonous, non-irritant, stainless, free from disad-
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Its employment is indicated for MOUTH HYGIENE, COLDS
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SURGICAL INSTRUMENTS, DRESSINGS, MIDWIFERY, ASEPSIS
OF THE HANDS, ETC.

Retail Price: 4oz. bottle 1/-; Winchester (1/2 gall.) 7/6; Gall.
Can 12/6; Wholesale Price: 4 ozs. 7/- per doz.; Winchester
60/- per doz.; Cans 102/- per doz.

"Therapeutic Suggestions" is helpful in prescribing, this
Brochure and full List of Drugs sent on request.

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is the delicious "leaf-edge" tea which
doctors throughout the country are now
recommending to patients with whom
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Applications invited for sample and terms for
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The British Soluble Sanitary Towel

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Continuous Propaganda conducted
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P.A.T.A. terms upon request.

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THE ART OF DISPENSING. Price 8s., by post 8s. 6d.

THE PHOTOGRAPHIC CHEMIST. Price 3s. 6d., by post,
3s. 8d.

THE CHEMISTS' DICTIONARY OF MEDICAL TERMS.
Price 3s. 6d., by post 3s. 8d.

PHARMACEUTICAL FORMULAS (P.F., Vol. I). Price 15s.,
by post 15s. 9d.

PHARMACEUTICAL FORMULAS (P.F., Vol. II). Price 15s.,
by post 15s. 9d.

WOOTTON'S CHRONICLES OF PHARMACY. Price 10s. 6d.,
by post 11s. 3d.

"THE CHEMIST AND DRUGGIST," 28 Essex Street, W.C.2

THE CHEMIST AND DRUGGIST

VOL. CXXII.

June 15, 1935

NO. 2888

Poisons Board Report

As briefly announced last week (*C. & D.* page 685), the Report of the Poisons Board in regard to the Poisons List and Draft Poisons Rules proposed in accordance with the Pharmacy and Poisons Act, 1933, was published on June 7. In view of the importance of the Report we have invited the opinions of several experts whose criticisms are, in our view, both interesting and provocative. The first of the series appears this week, together with an abstract of the Report. Next week we shall conclude the series and hope to deal with the points raised by our contributors.

Coroners' Juries and Chemists

FROM time to time attention has to be called to the habit coroners' juries have of passing judgment upon chemists from whom poisons have been obtained, and who subsequently find themselves called to give evidence when death has resulted either by suicide or mishap from the poison being taken. It seems to be necessary to emphasise the fact that the duty of coroners and their juries is simply to ascertain the cause of death. It happens, not infrequently, that "riders" suggesting that this or the other person alleged to have been guilty of a breach of some statute or regulation should be "censured" subsequently turn out to be quite unjustifiable, and may do serious harm to the personal and business reputation of the person or firm concerned. The report in our issue of June 8 (p. 670) of an inquest held in Birmingham upon the death of a man sixty-six years of age from hypostatic pneumonia following poisoning by a drug of the barbituric acid group (according to the medical evidence) shows that on two different dates a carton containing twelve tablets of the article in question (the precise name and composition of which were not disclosed) were supplied to the deceased by the manager of a well-known firm of retail chemists, who appears to have carried out the necessary provisions of the law in all respects. True, the coroner pointed out that the name and address of the vendor did not appear to have been on one of the cartons—but that might conceivably have been explained in several ways and had no bearing upon the "rider" which the jury added to their verdict to the effect that the chemist who had given evidence should be "severely censured for not complying with the Regulations of the Poisons Act."

Whatever the actual preparation may have been, it is quite obvious that the jury were inspired by an opinion expressed by a medical witness to the effect that it was a "breach of the Regulations for the man to have been able to purchase some of the drug saying that it was to be sent to his wife." Breach of what "Regulation"? The coroner himself seems to have been under the impression that upon the sale of a poisonous medicament required to be signed for by the purchaser the chemist is breaking

some "Regulation" if he learns that the purchaser and his wife are both intending to take the medicament. Surely that cannot be; and apparently the coroner appreciated the fact later when he suggested that it was "stretching the Regulations a little too far." We are pleased to find that this coroner and the principal medical witness in the case have been vigorously dealt with by Dr. E. G. Bryant, Ph.C., head of the Pharmacy Department of Birmingham Central Technical College, in a letter which appeared in the "Birmingham Post" of June 11. Dr. Bryant wrote:

"The existing Act regulating the sale of poisons is the Poisons and Pharmacy Act of 1908, and there is nothing in the Act which precludes a person from purchasing drugs of the barbiturate group, provided that he is known to the vendor and signs the poisons register. He may purchase on his own behalf or for a third party, and we are reduced to a strange pass if a man may not send medicines to his wife. All these conditions were fulfilled by the chemist in this case. . . . Chemists who have to administer the law have the right to demand that coroners who take it on themselves to comment upon the law should make themselves familiar with its requirements."

In writing thus, Dr. Bryant has done pharmacy a service which may well remain on record for imitation in any similar case that may arise. In any event, we think juries ought to be warned against "censuring" chemists who are charged with the supply of such drugs when they keep well within the law in so supplying; and certainly no breach of "Regulations" should be allowed to be alleged without a definite statement of what Regulation is referred to. If this sort of thing is to be permitted, some tightening up of the law regarding the rules of evidence applicable to coroners' courts will become necessary. Chemists who expect to be called as witnesses in coroners' courts will be wise to provide themselves with the backing of an experienced barrister or solicitor, and to instruct him fully beforehand. The trained legal mind can then deal with any unforeseen impromptu as soon as it arises.

A Sensational Trial

A SUBSCRIBER in Alexandria has been good enough to send us numerous issues of "The Egyptian Gazette" containing reports of the trial of twelve persons (eight doctors, a pharmacist and three "termagi" or medical attendants) for offences in connection with narcotic drugs. The trial began on April 17, and continued almost daily till June 2. It was alleged that the accused failed to keep correct records of their transactions, that they issued prescriptions for non-existent persons, and so forth. The pharmacist was ably defended by two counsel, who pointed out that his total number of transactions in ampoules of morphine and eucodal was much smaller than that of at least one other member of his profession. A certain other pharmacy (which counsel named) had, in the period from January 1 to December 6, 1934, received 31,599 ampoules of morphine, and sold 31,493 ampoules, while his client's pharmacy had received during the period July 1 to December 6, 1934, only 245 ampoules of eucodal, of which it dispensed 235 ampoules, and had received 763 ampoules of morphine, of which it dispensed 741. It was pointed out by another counsel that in Egypt "the pharmacist was protected by the prescription," and had not to ascertain a customer's identity. The pharmacist was acquitted, as were also one doctor and a medical attendant. The remaining seven medical practitioners and two attendants were each sentenced to twelve months' hard labour and a fine of £E200. We understand that appeals on points of law are contemplated in some of these cases.

Revised Poisons List and Rules

The Poisons List and Draft Poisons Rules, as recast by the Poisons Board after considering representations made on the Draft List and Rules of July 1934 (C. & D., 1934, II, 196), have been issued, with a report (price 1s.), by the Stationery Office. The full Board has held eighteen meetings, and its subcommittees twenty-four meetings. We print the List and such portions of the report as serve to indicate the principal changes made in the Draft Rules.

Passages from the Report

THE wide publicity afforded to the draft by trade journals led to the receipt of observations not only from the selected organisations, but also from several others and from numerous individual firms. Our provisional proposals were also circulated to the Police Forces, from many of whom we received valuable observations. We have carefully considered all the observations received, and have substantially amended our original proposals in respect of several of the matters upon which representations were made to us. . . .

THE POISONS LIST

The Form of the List.— . . . Whilst we have endeavoured to avoid wherever possible the use of generalisations and in particular the use of the word "derivatives," we have found it impracticable to do so in all cases. . . . We recognise that the List as drafted is open to the objection that it leaves the public to seek technical assistance to discover what in some cases it includes. We think that the objection would be largely removed by the publication of an explanatory appendix or memorandum, giving in detail, with their popular names, the articles commonly found in commerce that are included in the List, and we accordingly recommend that such a memorandum should be prepared and issued when the List comes into operation. . . . We met with the difficulty caused by the fact that poisons frequently appear in articles which, by reason of their nature or the condition in which they are sold or used, present little or no danger in practice and to which the system of control provided by the Act is entirely inappropriate. There appear to be alternative methods of dealing with such cases. The first would be specifically to exclude them in the definition of each poison in the List. Such a course would make the List unduly reiterative. The second method is to exempt them from the provisions of the Act by means of a rule to be made under Section 23. . . . [See the Second Schedule.] The Act contains no definition of a poison, and, so far as we are aware, there is, for the purposes of control, no satisfactory definition. . . .

Suicide.— . . . As the substances most commonly used for suicide such as hydrochloric and other acids, phenolic disinfectants, barbiturates, etc., call for inclusion in the List for other reasons, the point becomes of practical importance only in connection with, on the one hand, turpentine and other fluids which do not present any real danger of accidental injury but which are from time to time used as a means of suicide, and, on the other hand, drugs which are not inherently especially toxic but which provide a means of suicide if taken in a sufficiently large quantity. In this latter category is acetylsalicylic acid (aspirin). The mortality statistics show that during the period 1925 to 1933 there were 106 fatalities attributed to the use of this drug. These figures are substantial and apparently increasing. When, however, consideration is given to the enormous quantities of aspirin that are consumed without injury and to the abnormally large quantity that must ordinarily be taken to provide a fatal dose, we have not thought the evidence of danger sufficient to justify the scheduling of this drug as a poison. . . .

"Industrial" Poisons.— . . . We are advised by Sir William Willcox that the use of carbon tetrachloride and other similar halogenated substances in industry, particularly in dry-cleaning establishments, is so dangerous as to require that these substances should be supplied for such use only in containers bearing a caution to the effect that they should not be employed except with proper ventilation. We propose, therefore, that they should be considered for inclusion with the above mentioned "industrial" poisons at a later stage. . . .

Phenol and Its Homologues.— . . . The homologues of carbolic acid (phenol) may be divided into (i) those prepared as practically pure chemical compounds, which, although they may

occur in coal tar acids, are not necessarily prepared from coal tar—an example is thymol, which is obtained from various plants—(ii) those derived from coal tar, which are the basis of practically all the coal tar disinfectants. . . . As regards the substances falling within (ii), . . . solid preparations . . ., which are at present uncontrolled, are now included. Another aspect of the problem of phenol is the question whether, as in the past, liquids containing a very low percentage of phenols should be free from restrictions. . . . We recommend that they should not be exempted. [The use of the term "homologue" is avoided in the List.] . . .

Animal and Poultry Medicines.— . . . Much of the trade is in the hands of manufacturing firms who deal direct with the animal owner or poultry keeper. As the system of the control to be extended to listed sellers does not appear appropriate in the case of manufacturers (the Act appears to contemplate that only shopkeepers will require to be listed with the local authority), we recommend that provision should be made by rule whereby animal medicine manufacturers may be permitted to continue the retail sale of their products. We suggest a rule exempting the sale of certain poisons when contained in animal or poultry medicines by animal medicine manufacturers from such requirements of Section 18 as restrict the retail sale of poisons to authorised sellers of poisons and persons registered with the local authority, provided that the manufacturers fulfil certain conditions. These conditions will enable the enforcing authorities to know who the manufacturers in question are and where they are and to cause their premises, records, etc., to be inspected should occasion require (Rule 4). We propose that the exemption should be restricted to certain specified poisons which are in common use. [Rule 4, which is new, applies to chlorides of antimony, sulphides of antimony, belladonna, the alkaloids of belladonna, cantharidin, carbon tetrachloride, oil of chenopodium, chloral hydrate, croton oil, mercuric iodide, mercuric oxide, santonin.]

"Household" Poisons.— . . . We have decided not to include in Part II of the List any of the acids to which Section 5 of the Poisons and Pharmacy Act, 1908, applies other than sulphuric acid, for the following reasons. As far as we are aware there is no demand by the public for nitric acid. There is no doubt still some domestic use of hydrochloric acid (spirits of salt) and salts of oxalic acid (e.g., salts of lemon) and we have received representations to the effect that considerable quantities of hydrochloric acid are, in fact, sold by grocers and household storekeepers. There are available safer preparations which will serve the same purposes equally well, and, so far as oxalic acid is concerned, we understand that it is no longer in general domestic use. . . .

Vermín Killers.—White arsenic, certain salts of antimony and of barium, phosphorus, salts of thallium, cyanides and strychnine are the poisons which are used for the destruction of rats and mice. Although we recognise the importance of effective vermin killers being readily available to the public, we consider it undesirable in the interests of public safety that so large a range of such dangerous substances should have the wide distribution afforded by the Act to the poisons in Part II of the List. We consider that the inclusion in Part II of barium carbonate, the poison most commonly used for the purpose, will sufficiently meet the public needs under this head: red squill, the safest and most effective vermin killer, is not included in the List. . . .

Lysol.— . . . The reasons actuating the majority of the Board in including lysol and dilutions of lysol in Part I of the List are as follows:—

(i) Lysol is, next to coal gas, the most commonly used substance for suicide: the average annual number of fatalities over

a period of eight years (including those classified as "accidental") is over 300. In such circumstances, any relaxation of the restrictions at present imposed becomes difficult to justify. Further, it may be assumed that the greater the number of channels through which it is available to the public, the more the houses in which it will be found and consequently the more readily accessible it will be to potential suicides.

(2) In view of the fact that lysol is a standard surgical antiseptic, it is important from the point of view of public health that products sold as "lysol" should be of the standard laid down in the British Pharmacopoeia. Particularly is this so as regards lysol purchased by midwives. The training and experience of pharmacists is likely to ensure that any lysol sold from the premises of authorised sellers of poisons will be of the required standard whereas unqualified vendors may not be so much alive to the importance of the maintenance of the standard of the product. In any event, the wide distribution which would result if it were open to any trader to sell lysol would make the task of the authorities in maintaining a standard more difficult. . . .

(3) The trade in bogus "lysol solutions" should be prevented both in the interests of public health and of public safety for not only do these solutions tend to create a false feeling of security but persons may do themselves damage when for some reason they come to use lysol of the standard strength after being accustomed to handle a solution of one-sixteenth of the strength probably bearing identical directions for dilution and use.

(4) In practice there is no misunderstanding of the meaning of the term "lysol" among those dealing with this substance.

(5) Lysol is a substance used for the treatment of human ailments, and as such its inclusion in Part I is indicated by the wording of Section 17 (3). There is no evidence that the public require more facilities to purchase it than are available. . . .

THE POISONS RULES

Safeguards Against Accident.— . . . We consider, however, that poisons should in all circumstances be labelled with an appropriate warning, irrespective of the class of seller (manufacturer, wholesaler, etc.) or of the type of purchaser (private individual or trader). . . . We propose, therefore, by the application of the provisions of Section 18 (1) (c) to the sales specified in Section 20, other than exports, to apply the labelling provisions of the Act at every stage of distribution from the manufacturer downwards (Rule 5). Poisons for export should be exempted. . . .

The only further safeguard against mistake that appears to us to be necessary is a requirement that bottles of the size of a Winchester quart or less should be fluted vertically when containing a liquid poison other than one to be taken internally. . . .

Conditions of Sale.— . . . It is proposed . . . that, in the case only of the substances included in the First Schedule, the sales specified in Section 20 [of the Pharmacy and Poisons Act, 1933], other than sales for export, should be brought within the requirements of Section 18 (2). A manufacturer and a wholesale dealer need not record in the "poisons book" the particulars of a sale to another person in the "trade." The extension, proposed . . . of the provisions of Section 18 (2) to sales permitted by the Act to be undertaken by persons other than authorised sellers of poisons, makes it necessary to provide for the case of firms that may employ no registered pharmacist to whom the purchaser can be known to be a person to whom a poison may properly be sold. It is proposed that Section 18 (2) (a) should be relaxed to the extent of permitting its provisions to be satisfied in such a case if the person to whom a poison is sold is known by the person in charge of the premises on which the poison is sold, or of the department of the business in which the sale is effected, to be a person to whom the poison may properly be sold. . . .

The representatives of the Pharmaceutical Society . . . are unable to recommend that doctors should be exempted from the requirement to sign orders for substances included in the First Schedule, if such a relaxation would result in a requirement being applied in regard to "dangerous drugs" by a regulation to be made under the Dangerous Drugs Acts, the breach of which would involve the heavy penalties of those Acts. Other members of the Board point out that from the point of view of control there is a considerable difference between a doctor and an authorised seller of poisons. . . . It is also felt that as the requirement applies solely to the substances included in the First Schedule there is not sufficient evidence of hardship to

justify discarding a requirement which was specifically imposed by Parliament as recently as 1923, by way of a relaxation of a former restriction and, indeed, without objection being made by, and with the apparent concurrence of, the medical interests.

The "Bulk Trade."—As the Association of British Chemical Manufacturers has represented to us that such of our provisional proposals as applied restriction to the "bulk trade" went further than is necessary in the interests of public safety, and as we have been unable to accept this view, we think it desirable to deal more fully with the effect of our proposals in this regard and to compare them with the existing restrictions. In using the term the "bulk trade" the Association has, no doubt, in mind the trade of its own members, that is to say that of large concerns manufacturing or dealing in poisons in considerable quantities. But it is to be appreciated that "sales by way of wholesale dealing" and the other sales specified in Section 20 of the Act include, at the one end of the scale, the sale of a ton or more of poison from a chemical works, and, at the other, the supply of a few ounces of insecticide to a professional gardener or even a few grains of a poison to a doctor, dentist or veterinary surgeon, etc. Again, the sales may be undertaken by concerns varying considerably in the type of business in which they are engaged. . . .

Relaxation of Section 19 of the Act.—In view of the relaxation which we propose should be made to free the sale of substances not included in the First Schedule from the restrictions of Section 18 (2), that is to say, from the requirement that the purchaser must be known to the seller, etc., and an entry of the sale must be made in the "poisons book," it would be anomalous if an authorised seller of poisons were to be required, as he is by Section 19 (3), to enter in a "prescription-book" the particulars of a sale of a substance not included in the First Schedule merely because it is sold on a medical prescription. To remove this anomaly, also arising in the case of a supply by a medical practitioner, we propose . . . that the provisions of Section 19 (3) should be relaxed to permit the supply of such substances without an entry in the "prescription-book," when made by medical practitioners for the purpose of medical treatment and by authorised sellers of poisons on a medical prescription. . . .

Sales Under Section 20 of the Act.—Unless the point is dealt with by rule, Section 20 operates to permit retail shopkeepers to supply any poisons, however dangerous, to persons for the purpose of their trade or business without the obligation of becoming authorised or listed sellers. . . . This position is obviously unsatisfactory, and we propose that it should be rectified by a rule making it unlawful for any shopkeeper to sell poisons unless he is an authorised or listed seller as the case may be. . . .

Prescriptions for Third Schedule Drugs.— . . . We recommend that the prescription should not be permitted to be dispensed more than once unless the prescriber specifically authorises it and then only for such number of times and at such periods as may be directed on the prescription. . . . A requirement consequential upon this proposal is that the patient should not be permitted to retain the prescription after the occasion upon which it ceases to become available for further supplies and that the prescription should, whenever dispensed, be marked with the name and address of the seller and the date upon which it is dispensed. As some of the drugs in question possess qualities which make it probable that there will be attempts at evasion of the rules in regard to them, we recommend that the name and address of the seller and the date of dispensing should be required to be placed above the signature of the prescriber in order to prevent these particulars being cut off the prescription. . . .

The Fourth Schedule.— . . . Certain of the arsenical and mercurial poisons have been included in Part II of the List to enable farmers and horticulturists to obtain their sheep dips, insecticides, etc., locally and without delay. It is neither necessary nor desirable that these poisons should be widely distributed to private persons, and it is recommended that listed sellers should be permitted to sell them only to persons who are engaged in the business of agriculture or horticulture and require them for the purpose of that business. . . .

Arsenical Weed-Killers.— . . . Although we have received representations from several quarters in regard to the point we have not felt able to advise that arsenical weed-killers should be given the wide distribution afforded by the listed sellers, for we cannot ignore the fact that arsenical weed-killer has been the poison employed in several cases of murder, and that both in the liquid and powder forms it requires unusually careful handling if disastrous accidents are to be avoided. . . .

Strychnine as a Medicine Only.— . . . In explanation of our recommendation that the retail sale of strychnine should be prohibited except as an ingredient in a medicine . . . , we would point not only to its well known use as an instrument for murder but to the frequent poisoning of hounds, domestic animals and wild birds from the negligent laying down of poisoned baits for vermin. As far as we are aware, strychnine is purchased by the public, except as a medicine, only for the destruction of vermin and the occasional destruction of domestic animals.

Containers.— . . . We are advised that the term "container" in Section 18 of the Act is to be interpreted as meaning the vessel, box, envelope, etc., which contains the poison and is in direct contact with the poison, and we accordingly propose that with certain necessary exceptions the labelling provisions of the Act and Rules should be applied to every box or other covering of whatever nature enclosing the container. . . . The difficulty will, we think, be largely met by relieving the wholesaler from the requirement to place his name and address on "prepacked" articles, and, in the case only of such articles as are not included in the First Schedule, by permitting the retailer to place his name and address on the outer cover only. . . . This will ensure that the name and address of the retailer will appear on the container in those cases in which that information is of the most importance, i.e., in the case of the more dangerous substances, whilst at the same time obviating the necessity of destroying the pack in the case of the bulk of proprietary articles which contain a poison.

Storage.—It is manifestly important that poisons in shops to which the public have access and from which they obtain articles for food should be stored on a consistent plan that would minimise the risk of error on the part of the shopkeeper or his assistants and of the contamination of food. On the other hand, it would be a mistake to regulate in too great detail the manner in which a pharmacist orders the arrangement of his dispensing counter. . . .

Hospitals and Dispensaries.— . . . In framing our recommendations we have aimed at providing a set of rules of a very general character which are capable of amplification in detail to suit special requirements. We would wish the rules that we recommend . . . to be considered to represent the minimum precautions to be taken, it being contemplated that the authorities concerned will institute such additional control and supervision as the circumstances of the institution may require. . . .

Manufacture of Pharmaceutical Preparations.— . . . We therefore recommend that the control of the manufacture of pharmaceutical preparations for the internal treatment of human ailments should be restricted to registered pharmacists, medical practitioners, Fellows and Associates of the Institute of Chemistry, and—in order to avoid hardship to those persons who, while possessing none of these qualifications, have been engaged in the past in the control of the manufacture of pharmaceutical preparations and by reason of their experience may be taken to have become adequately trained—persons who have been so engaged for a continuous period of three years. . . . We are faced with the fact that there is in this country no recognised body other than the Institute of Chemistry that issues certificates or other documentary evidence of competency in chemistry as such. Moreover, a university degree or diploma cannot be withdrawn, whereas the Institute occupies in respect of the chemical profession much the same position in this regard as do the General Medical Council and the Council of the Pharmaceutical Society in respect of the medical and pharmaceutical professions. . . .

Meaning of the Term "Medicine."—During our deliberations we found it necessary, in order to avoid confusion, to come to a common understanding of the meaning of the term "medicine," which is used frequently, but not defined, in the Act. We do not offer a definition of the term, but we think that a substance cannot properly be regarded as a medicine unless it is intended to be applied either internally or externally to the body of a patient. . . .

NORTHERN IRELAND

The control of the sale, supply, storage and transport of poisons in Northern Ireland is effected by the legislation of Northern Ireland, and since it is exports from the United Kingdom and not consignments from Great Britain that are exempted from the Acts and Rules, difficulties would arise

were the requirements of Northern Ireland, particularly in regard to labels and containers, to be different from those of Great Britain. We are not aware that our proposals in any way conflict with the legislation in force in Northern Ireland, or that the provisions of the Act or Rules relating to the knowledge of the purchaser, certificates, signed orders, sales to duly qualified medical practitioners, hospitals and so on, are in any way unworkable in relation to supplies from this country to Northern Ireland, but it is, nevertheless, desirable that both the Act and Rules should be closely examined from this point of view by the authorities in Northern Ireland at an early date so that any discrepancy that may be found to exist can be removed before the Rules are brought into force.

The Poisons List

In the construction of this List, unless the contrary intention appears—

- (1) a reference to a substance shall include a reference to that substance prepared either from natural sources or artificially;
- (2) a reference to a substance shall include a reference to that substance when contained as such in any preparation, solution, admixture or natural substance;
- (3) words in the singular shall include the plural, and words in the plural shall include the singular.

PART I.

Acetanilide; alkyl acetanilides	antimony; sulphides of antimony; antimonates; antimonites; organic compounds of antimony
Acetic acid	Arsenical substances, the following except those specified in Part II of this List:—arsenic, halides of; oxides of arsenic; arsenates; arsenites; organic compounds of arsenic
Alkali fluorides other than those specified in Part II of this List	Barbituric acid; its salts; derivatives of barbituric acid; their salts; compounds of barbituric acid, its salts, its derivatives, their salts, with any other substance
Alkaloids, the following; their salts, simple or complex:—	Barium, salts of, other than barium sulphate and the salts of barium specified in Part II of this List
Acetyldihydrocodeinone; its esters	Butyl chloral hydrate
Aconite, alkaloids of	Cannabis (the dried flowering or fruiting tops of <i>Cannabis sativa</i> Linn.); the resin of cannabis; extracts of cannabis; tinctures of cannabis; cannabin tannate
Apomorphine	Cantharidin; cantharidates
Atropine	Carbon tetrachloride
Belladonna, alkaloids of	Chenopodium, oil of
Benzoylmorphine	Chloral formamide
Benzylmorphine	Chloral hydrate
Brucine	Chloroform
Calabar bean, alkaloids of	Cresote obtained from wood
Coca, alkaloids of	Croton, oil of
Cocaine	Digitalis, glycosides of; other active principles of digitalis
Codeine	Dinitrocresols; dinitronaphthols; dinitrophenols; dinitrothymols
Colchicine	Elaterin
Coniine	Ergot (the sclerotia of any species of <i>Claviceps</i>); extracts of ergot; tinctures of ergot
Cotarnine	Erythrityl tetranitrate
Curarine	Ethyl bromide; ethyl chloride
Diacetylmorphine	Glyceryl trinitrate
Dihydrocodeinone; its esters	Gold, salts of; gold, compound salts of
Dihydrodihydrocodeinone; its esters	Guanidines, the following:—polymethylene diguanidines, diparaisylphenetyl guanidine
Dihydromorphine; its esters	Hydrochloric acid
Dihydromorphinone; its esters	Hydrocyanic acid; cyanides; double cyanides of mercury and zinc
Ecgonine; its esters	Insulin
Emetine	Lead acetates; compounds of lead with acids from fixed oils
Ephedra, alkaloids of	Mannityl tetranitrate
Ergot, alkaloids of	Mercury, oxides of; nitrates of mercury; mercuric ammonium chlorides; potassio-mercuric iodides; mercuric oxycyanides; mercuric thiocyanate
Ethylmorphine	Nitric acid
Gelsemium, alkaloids of	Nitrophenols
Homatropine	
Hyosine	
Hyoscyamine	
Jaborandi, alkaloids of	
Lobelia, alkaloids of	
Morphine	
Papaverine	
Pomegranate, alkaloids of	
Quebracho, alkaloids of, other than the alkaloids of red quebracho	
Sabadilla, alkaloids of	
Solanaceous alkaloids not otherwise included in this List	
Stavesacre, alkaloids of	
Strychnine	
Thebaine	
Veratrum, alkaloids of	
Yohimba, alkaloids of	
Allylisopropylacetylurea	
Amidopyrine	
Amino-alcohols, esterified with benzoic acid, phenylacetic acid, phenylpropionic acid, cinnamic acid or the derivatives of these acids	
Amylene hydrate	
Amyl nitrite	
Antimony, chlorides of; oxides of	

Nux Vomica
Opium
Orthocaine; its salts
Ouabain
Oxalic acid; metallic oxalates
Oxycinchoninic acid, derivatives of; their salts; their esters
Paraldehyde
Para-amino-benzoic acid, esters of; their salts
Phenetidylphenacetin
Phenols (any member of the series of phenols of which the first member is phenol and of which the molecular composition varies from member to member by one atom of carbon and two atoms of hydrogen) except in substances, other than lysol or dilutions of lysol, containing less than sixty per cent., weight in weight, of phenols; compounds of phenol with a metal, except in substances containing less than the equivalent of sixty per cent., weight in weight, of phenols

PART II.

Ammonia, solutions of
Arsenical substances, the following:—
Arsenic sulphides
Arsenious oxide
Calcium arsenates
Calcium arsenites
Copper acetoarsenites
Copper arsenates
Copper arsenites
Lead arsenates
Sodium arsenates
Sodium arsenites
Sodium thioarsenates
Barium, salts of, the following:—
Barium carbonate
Barium silicofluoride
Formaldehyde
Hydrofluoric acid; potassium fluoride; sodium fluoride; sodium silicofluoride

(Note.—Several poisons in this List are exempted by the Poisons Rules made by the Secretary of State under the Pharmacy and Poisons Act, 1933, from the application of the Act when present in certain specified substances or articles.)

Schedules

FIRST SCHEDULE

Substances falling within the Poisons List to which special restrictions apply.

Alkaloids, the following; their salts, simple or complex:—
Acetyldihydrocodeinone;
Aconite, alkaloids of, except substances containing less than 0.02 per cent. of the alkaloids of aconite
Apomorphine except substances containing less than 0.2 per cent. of apomorphine
Atropine except substances containing less than 0.15 per cent. of atropine
Belladonna, alkaloids of, except substances containing less than 0.15 per cent. of the alkaloids of belladonna calculated as hyoscyamine
Benzoylmorphine
Benzylmorphine
Brucine except substances containing less than 0.2 per cent. of brucine
Calabar bean, alkaloids of
Coca, alkaloids of, except substances containing less than 0.1 per cent. of the alkaloids of coca
Cocaine except substances containing less than 0.1 per cent. of cocaine
Codeine except substances containing less than one per cent. of codeine
Colchicine except substances containing less than 0.5 per cent. of colchicine
Coniine except substances containing less than 0.1 per cent. of coniine
Cotarnine except substances containing less than 0.2 per cent. of cotarnine
Curarine
Diacetylmorphine
Dihydrocodeinone
Dihydrohydroxycodeinone
Dihydromorphine
Dihydromorphinone

Phenylcinchoninic acid; its salts; its esters
Phenylene diamines; toluene diamines; their salts
Phenylethylhydantoin; its salts; its acyl derivatives; their salts
Phosphorus, yellow
Picric acid
Picrotoxin
Pituitary gland, the active principles of
Potassium nitrite
Santonin; santoninic acid; its salts
Savin; oil of
Sodium nitrite
Strophanthus; glycosides of strophanthus
Sulphonals; alkyl sulphonals
Suprarenal gland, the active principles of; their salts
Thallium, salts of
Thyroid gland, the active principles of; their salts
Tribromethyl alcohol

Mercuric chloride; mercuric iodide; organic compounds of mercury
Nicotine; its salts
Nitrobenzene
Phenols as defined in Part I of this List in substances, other than lysol or dilutions of lysol, containing less than sixty per cent., weight in weight, of phenols; compounds of phenol with a metal in substances containing less than the equivalent of sixty per cent. weight in weight, of phenols
Potassium hydroxide
Sodium hydroxide
Sulphuric acid

Ecgonine except substances containing less than 0.1 per cent. of ecgonine
Emetine except substances containing less than one per cent. of emetine
Ergot, alkaloids of
Ethylmorphine except substances containing less than 0.2 per cent. of ethylmorphine
Gelsemium, alkaloids of, except substances containing less than 0.1 per cent. of the alkaloids of gelsemium
Homatropine except substances containing less than 0.15 per cent. of homatropine
Hyosine except substances containing less than 0.15 per cent. of hyosine
Hyoscyamine except substances containing less than 0.15 per cent. of hyoscyamine
Jaborandi, alkaloids of, except substances containing less than 0.5 per cent. of the alkaloids of jaborandi
Lobelia, alkaloids of
Morphine except substances containing less than 0.2 per cent. of morphine calculated as anhydrous morphine
Nicotine
Papaverine except substances containing less than one per cent. of papaverine
Pomegranate, alkaloids of, except substances containing less than 0.5 per cent. of the alkaloids of pomegranate
Quebracho, alkaloids of
Sabadilla, alkaloids of, except substances containing less than one per cent. of the alkaloids of sabadilla
Solanaeous alkaloids, not otherwise included in this Schedule, except substances containing less than 0.15 per cent. of solanaeous alkaloids calculated as hyoscyamine
Stavesacre, alkaloids of, except substances containing less than 0.2 per cent. of the alkaloids of stavesacre
Strychnine except substances containing less than 0.2 per cent. of strychnine
Thebaine except substances containing less than one per cent. of thebaine
Veratrum, alkaloids of, except substances containing less than one per cent. of the alkaloids of veratrum
Yohimba, alkaloids of
Allylisopropylacetylurea
Amino-alcohols, esterified with benzoic acid, phenylacetic acid, phenylpropionic acid, cinnamic acid or the derivatives of these acids, except in substances containing less than ten per cent. of esterified amino-alcohols
Antimonial poisons except substances containing less than the equivalent of one per cent. of antimony trioxide
Arsenical poisons except substances containing less arsenical poison than the equivalent of 0.01 per cent. of arsenic trioxide
Barbituric acid; its salts; derivatives of barbituric acid; their salts; compounds of barbituric acid, its salts, its derivatives, their salts, with any other substance
Barium, salts of
Cannabis; the resin of cannabis; extracts of cannabis; tinctures of cannabis; cannabin tannate
Cantharidin except substances containing less than 0.01 per cent. of cantharidin
Cantharidates except substances containing less than the equivalent of 0.01 per cent. of cantharidin
Digitalis, glycosides of, except substances containing less than one unit of activity (as defined in the British Pharmacopœia) in two grams of the substance
Dinitrocresols; dinitronaphthols; dinitrophenols; dinitrothymols
Ergot; extracts of ergot; tinctures of ergot
Guanidines, the following:—polymethylene diguanidines, diparaisylphenetyl guanidine
Hydrocyanic acid except substances containing less than 0.1 per cent. of hydrocyanic acid (HCN); cyanides except substances containing less than the equivalent of 0.1 per cent., weight in weight, of hydrocyanic acid (HCN); double cyanides of mercury and zinc
Lead acetates; compounds of lead with acids from fixed oils
Mercuric chloride except substances containing less than one per cent. of mercuric chloride; nitrates of mercury except substances containing less than the equivalent of three per cent., weight in weight, of mercury (Hg); potassio-mercuric iodides except substances containing less than the equivalent of one per cent. of mercuric iodide; organic compounds of mercury except substances containing less than the equivalent of 0.2 per cent. weight in weight, of mercury (Hg)
Nitrophenols
Nux Vomica except substances containing less than 0.2 per cent. of strychnine
Opium except substances containing less than 0.2 per cent. of morphine calculated as anhydrous morphine
Ouabain
Oxycinchoninic acid, derivatives of; their salts; their esters
Phenetidylphenacetin
Phenylcinchoninic acid; its salts; its esters
Phenylethylhydantoin; its salts; its acyl derivatives; their salts
Picrotoxin
Savin, oil of
Strophanthus, glycosides of
Thallium, salts of
Tribromethyl alcohol

SECOND SCHEDULE

Articles exempted by Rule 10 from the provisions of the Act and Rules

PART I

General Exemptions

Adhesives; anti-fouling compositions; builders' materials; ceramics; distempers; electrical valves; enamels; explosives; fillers; fireworks; glazes; glue; lacquer solvents; loading materials; marking inks; matches; motor fuels and lubricants; paints other than pharmaceutical paints; photographic paper; pigments; plastics; propellants; polishes; rubber; varnishes.

PART II

Special Exemptions

Poison	Substance or article in which exempted
Acetanilide; alkyl acetanilides	Substances not being preparations for the treatment of human ailments
Acetic acid	Substances containing less than ninety-nine per cent., weight in weight, of acetic acid (CH_3COOH)
Alkaloids— Emetine	Substances containing less than 0.05 per cent. of emetine
Ephedra, alkaloids of	Substances containing less than one per cent. of the alkaloids of ephedra
Jaborandi, alkaloids of	Substances containing less than 0.025 per cent. of the alkaloids of jaborandi
Lobelia, alkaloids of	Substances containing less than 0.1 per cent. of the alkaloids of lobelia
Nicotine	Tobacco
Pomegranate, alkaloids of	Pomegranate bark
Stavesacre	Soaps; ointments
Ammonia, solutions of	Liquids containing less than five per cent., weight in weight, of ammonia (NH_3); refrigerators; smelling bottles
Carbon tetrachloride	Substances not being preparations for the treatment of human or animal ailments
Chenopodium, oil of	Substances containing less than two per cent. of oil of chenopodium
Chloroform	Substances containing less than six per cent. of chloroform
Creosote obtained from wood	Substances containing less than fifty per cent. of creosote obtained from wood
Formaldehyde	Substances containing less than five per cent., weight in weight, of formaldehyde (H_2CHO); photographic glazing or hardening solutions
Gold, salts of	Photographic toning or fixing solutions
Hydrochloric acid	Substances containing less than nine per cent., weight in weight, of hydrochloric acid (HCl)
Lead acetate	Substances containing less than four per cent. of lead acetate
Lead, compounds of	Machine spread plasters
Mercuric chloride	Batteries
Mercuric chloride; mercuric iodide; organic compounds of mercury	Dressings on seeds or bulbs
Mercury, nitrates of	Ointments containing less than the equivalent of three per cent., weight in weight, of mercury (Hg)
Nitric acid	Substances containing less than nine per cent., weight in weight, of nitric acid (HNO_3)
Nitrobenzene	Substances containing less than 0.1 per cent. of nitrobenzene
Phenols	Carvacrol; coal tar, crude or refined; creosote obtained from coal tar; essential oils in which phenols occur naturally; medicines containing less than one per cent. of phenols; nasal sprays, mouthwashes, pastilles, lozenges, capsules, pessaries, ointments, or suppositories containing less than 2.5 per cent. of phenols; smelling bottles; soaps for washing; tooth powders; tooth pastes; disinfecting powders containing less than twenty-five per cent. of phenols tertiary butyl-cresol; thymol
Picric acid	Substances containing less than five per cent. of picric acid
Potassium hydroxide	Substances containing less than four per cent. of potassium hydroxide
Sodium fluoride	Substances containing less than three per cent. of sodium fluoride as a preservative
Sodium hydroxide	Substances containing less than four per cent. of sodium hydroxide
Sodium silicofluoride	Substances containing less than three per cent. of sodium silicofluoride as a preservative

Sulphuric acid

Substances containing less than nine per cent., weight in weight, of sulphuric acid (H_2SO_4); accumulators; batteries; fire extinguishers.

THIRD SCHEDULE

Substances required by Rule 11 to be sold by retail only upon a prescription given by a qualified medical practitioner, registered dentist or registered veterinary surgeon

Barbituric acid; its salts; derivatives of barbituric acid; their salts; compounds of barbituric acid, its salts, its derivatives, their salts, with any other substance
Dinitrocresols; dinitronaphthols; dinitrophenols; dinitrothymols
Phenylcinchoninic acid; its salts; its esters
Sulphonals; alkyl sulphonals

FOURTH SCHEDULE

Form to which the substances specified are restricted when sold by listed sellers of poisons (Rule 12 (2) (a))

Poison	Form to which sale is restricted
Arsenical substances— Arsenious oxide Arsenic sulphides Calcium arsenates	Sheep dips, sheep washes " " " " Agricultural and horticultural insecticides or fungicides
Calcium arsenites Copper acetoarsenite Copper arsenates Copper arsenites Lead arsenates Sodium arsenates Sodium arsenites Sodium thioarsenates	" "
Barium carbonate	Preparations for the destruction of rats and mice
Mercurial substances— Mercuric chloride Mercuric iodide	Agricultural and horticultural fungicides, seed and bulb dressings, insecticides Agricultural and horticultural fungicides, seed and bulb dressings
Organic compounds of mercury	" " " "
Nitrobenzene	Substances for the treatment of bee disease

FIFTH SCHEDULE

Indication of character prescribed by Rule 17 for the purposes of section 18 (1) (c) (iii) of the Act

1. To be labelled with the words "Caution. It is dangerous to take this preparation except under medical supervision." :—

Medicines made up ready for the internal treatment of human ailments and consisting of or containing any of the following poisons :—

Allylisopropylacetylurea
Amidopyrine
Insulin
Phenylethylhydantoin; its salts; its acyl derivatives; their salts
Pituitary gland, the active principles of
Thyroid gland, the active principles of; their salts

2. To be labelled with the words "Caution. It is dangerous to exceed the stated dose." :—

Medicines made up ready for the internal treatment of human ailments which neither consist of substances in the First Schedule nor consist of or contain any poison included in paragraph 1 of this Schedule.

3. To be labelled with the words "Poison. For animal treatment only." :—

Medicines consisting of or containing any poison made up ready for the treatment of animals.

4. To be labelled with the words "Caution. This preparation may cause inflammation of the skin in certain persons and should be used only in accordance with expert advice." :—

Hair dyes consisting of or containing phenylene diamines or toluene diamines or their salts.

5. To be labelled with the words "Caution. This substance is caustic." :—

Articles containing potassium hydroxide or sodium hydroxide.

SIXTH SCHEDULE

Substances to which Rule 23 (Transport) applies

Arsenical poisons
Barium, salts of
Hydrocyanic acid; cyanides
Nicotine
Strychnine
Thallium, salts of

The Seventh Schedule consists of the form of application for listed sellers, containing a list of the poisons which may be sold by him. The Eighth Schedule consists of the form of list of listed sellers to be kept by local authorities. The Ninth Schedule provides the form of certificate for the purchase of a poison. The Tenth Schedule gives the form of entry required by Section 18 (2) (b) of the Act of 1933.

British Pharmaceutical Conference

Notes on the Excursions

NOT the least of the attractions which Belfast holds out as a conference city is its convenience as an excursion centre. Ireland, "first flower of the earth, first gem of the sea," is famed for the beauty and variety of its scenery, and the regions around Belfast are no exception. Belfast itself has a lovely hill-begirt setting. The approach by sea, especially on a glorious summer morning with the sunbeams dancing on the waters of the lough and painting fresh colourings on the fair hills of Antrim and Down, is but a foretaste of panoramas of beauty of which the city is the vestibule. For the delegates to the June conference a series of interesting excursions has been arranged.

Linen Manufacturing, a Tobacco Factory and Bellevue Gardens

If any of the ladies on Tuesday afternoon do not avail themselves of the opportunity to visit the great linen manufacturing concern of the York Street Flax Spinning Co., Ltd., or its big industrial neighbour Gallaher's tobacco factory, they should not in any case miss the run out to Bellevue, Belfast's playground, along Antrim Road, 'neath the shadow of the city's sentinel, Cave Hill. Incidentally it may be mentioned, however, that in the York Street mill and factory they may see every phase of linen making, from the dressing and spinning of the yarn to the weaving and finishing of delightful damasks or the daintiest of fabrics which go to make up what is termed the "fancy end" of the trade. In the tobacco factory the same comprehensiveness of process may be said in terms of tobacco, the operations embracing every stage from the treatment of the virgin leaf to its emergence in the shape of myriad cigarettes or endless rolls of pipe tobacco. Those who prefer the open will take the trip to Bellevue, easily accessible by a tram or bus "labelled" Glengormley, and they will be amply rewarded. On the left hand is the overshadowing mass of the Cave Hill, so called from a series of caves situated in the face of the cliff. On the right hand a fine stretch of well-wooded country slopes down to the sea, and the magnificent panorama of the Lough and its shore lies before the view. The main attractions to sightseers are Belfast Castle and demesne and the Bellevue Gardens, which, with the Hazelwood extensions, cover nearly 280 acres on the slopes of the Cave Hill, making ideal pleasure grounds for the public. Belfast Castle with 200 acres of the demesne was presented as a free gift to the Belfast Corporation by the Earl of Shaftesbury in 1934. The estate is being linked with the Hazelwood and Bellevue public pleasure grounds. The combined property will form a playground for both citizens and visitors unequalled in the British Isles. Plans have just been passed for the erection of a magnificent floral hall, £10,000 has been spent on a zoo, a large sum on an amusement park, and £6,000 on a miniature railway. At Hazelwood there is an artificial lake, a miniature golf course and some pleasant walks. The scenery, varied by exquisite views of mountain and lough, and broken here and there by woods and glades, is truly enchanting.

Wednesday's Excursions

THE ARDS PENINSULA

On the following day (Wednesday) the ladies will participate in excursions which will introduce them to some of the pleasant pastoral scenes of County Down, to the peaceful waters of Strangford Lough, to the pretty peninsula of Ards, to a delightful stretch of the coast road skirting the Irish Channel and then to a run "home" affording picturesque glimpses of Belfast Lough and of County Antrim on its opposite shore, the itinerary being broken here and there by a chain of townships and watering places each with its own story of the glamour of the past and pride in the present, a blending of the old world and of the new. In brief, the excursion will be from the city centre to Dundonald, Newtownards, Mountstewart, Greyabbey, Ballywalter, Millisle, Donaghadee, Groomsport, Bangor, Holywood and back to the city in time for lunch. The motor-coaches will cross the river Lagan either by Queen's Bridge or

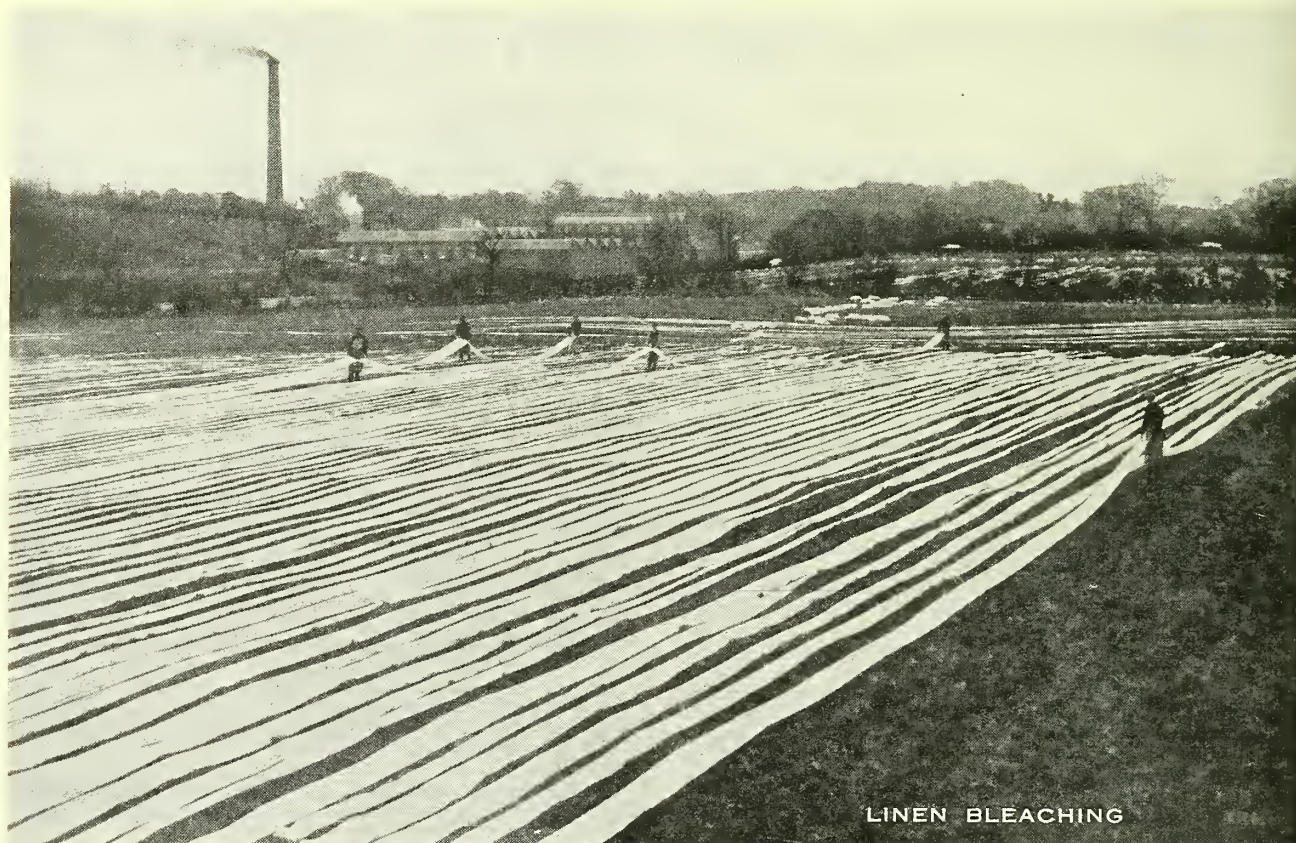
Albert Bridge, and in so crossing will have transferred their occupants from co. Antrim to co. Down. The eastern portion of Belfast lies in the latter county. The largest industrial establishment that will be passed will be that of the Belfast Ropeworks Co., Ltd., at the junction of the Newtownards Road and Albert Bridge Road. This is a huge concern employing some 3,000 hands and is claimed as the largest of its kind in the world. Twine, cord and rope of all varieties are here turned out and despatched to every country under the sun. The route passes over the Connswater Bridge and under the "Holywood Arches" over the main line of the Belfast & co. Down Railway, along the Upper Newtownards Road through Bloomfield area and into suburban Knock.

STORMONT

Four miles from the city centre is passed, on the left, the main entrance of Ulster's magnificent new Parliament House at Stormont, Britain's gift to Northern Ireland. The building of Portland stone exterior on a simple course plinth of grey Mourne granite is situated on rising ground three-quarters of a mile from the road. An imposing processional roadway, straight and wide, planted with trees on either side, rises up from the Newtownards Road entrance, terminating in a terrace at the foot of a large flight of granite steps 90 feet wide set in and flanked by terraced grass banks. At the top is a Portland stone balustrade running right and left in front of the building at the edge of the plateau or terrace on which the building is situated. The statue in front of the building is that of Lord Carson, the leader of the Ulster loyalists. The building has four main floors, and is planned to accommodate two chambers, arranged on the same general lines as the Houses of Parliament at Westminster, in addition to the offices of various administrative departments. The south or main entrance under the portico gives a direct approach through a large vestibule to the central hall, with a gallery on either side approached by a wide staircase. The Senate Chamber is approached from the east side of the Central Hall and the Commons Chamber from the west, through a short corridor and lobby. The remainder of the ground floor accommodation comprises a large library for members' use, committee rooms, writing rooms, smoking room, post office, Press dining room and suites of rooms for the Governor, prime minister, Speaker, ministers and officials. The first floor contains the members' and strangers' dining rooms, a large conference room and library, together with a very large number of rooms to be used by ministers and officials. The second and third floors are devoted to the use of departmental offices. Further offices, staff dining room and kitchens, occupy a fourth floor over the central portion of the building behind the pediment. Within the 300 acres estate of Stormont are Stormont Castle, now the residence of the prime minister, and the more recently erected house for the Speaker of the House of Commons. A short distance after passing the Parliament House there is an interesting stretch of road which from the "hairpin" bend near Dundonald to Newtownards forms part of the now famous Ards circuit, over which one of the greatest motor road races in the world is decided annually, generally early in September—the International Tourist Trophy race, promoted by the Royal Automobile Club. The celebrated Dundonald "hairpin" bend is one of the most difficult to negotiate in a testing course 13½ miles in length. The course is triangular with Newtownards, Comber and Dundonald bend representing the angles, the total distance covered being 478 miles.

NEWTOWNARDS

For over two miles the road twists and winds downhill into Newtownards, the run through which town includes one right-angle turn at the then sandbagged Town Hall. The large mound which catches the eye quite close to the highway near Dundonald village is a work of antiquity of the foundation of which there is no record. The dun (or rath) at its base gives the first prefix to the name Dundonald, the dun or fort of Domnaill or Donald. When de Courcy the Norman invaded co. Down in the twelfth century he utilised the place as a



stronghold. In 1210 King John passed through Dundonald on his way from Hollywood to Downpatrick. Newtownards is some six miles from Dundonald, and the two miles' corkscrew descent into that town is known as Bradshaw's Brae. After half a mile of the wide and straight street of the capital of the Ards and at the Market Square besides the already-mentioned Town Hall the Race circuit is left and progress is towards the northern shore of Strangford Lough.

Newtownards is an old-established manufacturing centre where in 1245 De Burgo had woven parcels of linen for the use of his household. Linen, muslin and especially hosiery are the staple manufactures of this centre, whose ancient Gaelic name was Ballylisnevan, the prefix "Bally," so common all over Ireland, signifying place. The old Market Cross and the ruined nave of a Dominican abbey are passed on the way to Greyabbey, while at Movilla, about a mile inland, are the remains of an abbey founded by St. Finian in 550 A.D. As if to supply modern contrast the town is an air base from which a daily service to and from England is maintained. The tower, which forms a conspicuous landmark on the summit of the rocky hill of Scrabo on the western side of the town, was erected in memory of the third Marquess of Londonderry. New variety is now imparted to the route which skirts the shores of Strangford Lough. The name Strangford is a legacy from the Danish settlements in this area in pre-Norman times, the term denoting the strong ford and derived from the sweeping currents that mark the entrance of this great estuary at Portaferry. In the lough there are islands almost innumerable but the majority are near the opposite shore. Soon we pass the demesne of Mountstewart wherein is the seat of the Londonderry family. The grounds are a paradise of beauty. From the terrace in front, through a vista of stately trees, a beautiful panorama of Strangford Lough is disclosed: in the middle distance the gentle hills of the Ballynahinch highlands lead the eye to the horizon and the blue peaks of Mourne.

HISTORIC RUINS

The next point of note is Greyabbey, a few miles past Mountstewart, where a turn inland is made to cover the three miles across the peninsula into Ballywalter on the Irish Sea coast. A halt to examine the ruins of the ancient abbey from which the place takes its name is well worth while. The picturesque remnant of the abbey lies in the estate of the Montgomery family at the upper end of the village. They are the most extensive of the kind in the neighbourhood of Belfast, and as they are now taken under official protection, the further decay of the buildings by time and weather will be arrested. The abbey belonged to the Cistercian Order, and was founded in 1192 by the wife of John de Courcy. The arrangement of the building follows the St. Gall plan, the foundations of the living apartments and the refectory, portions of which are still standing, being on the south side of the abbey church. In the refectory may be seen the stone chair and the lectorium to which it led, with a window at the back to cast light on the book which its occupant read to the monks at meal-time. The church is entered by the western doorway, arched and ornamented with enriched mouldings. The walls of the nave with their lancet windows are practically complete. There were apparently no aisles, but there seems to have been a roofed cloister on each side, opening by a door into the church. Much of the chancel still remains, and in each transept is a barrel-vaulted chapel. In the south transept is the effigy of the foundress of the abbey, once evidently forming part of her tomb. The arch spanning the nave and that over the north transept (partially restored), support the remains of the square tower which surmounted the crossing. At a little distance from the abbey is the well from which its inhabitants got their water supply, and which is still in use. It is interesting to note in passing that on June 12, 13 and 15, a fortnight before the Conference gathering, a pageant in which hundreds of performers in costumes will take part will be presented re-enacting the building of the abbey by Afreca. Magnificent crowd effects of horsemen and crusaders will be an outstanding feature and at the close a massed choir will lead in the singing of "Jerusalem the Golden." The proceeds of the pageant are to be devoted to the aid of the Queen's District Nurses (Ulster Branch).

DOWN TO THE SEA

Ballywalter is a pleasant seaside resort adjacent to which is the family seat of Lord Dunleath. There is now a pleasant run of many miles along the shores of the Irish Sea and if

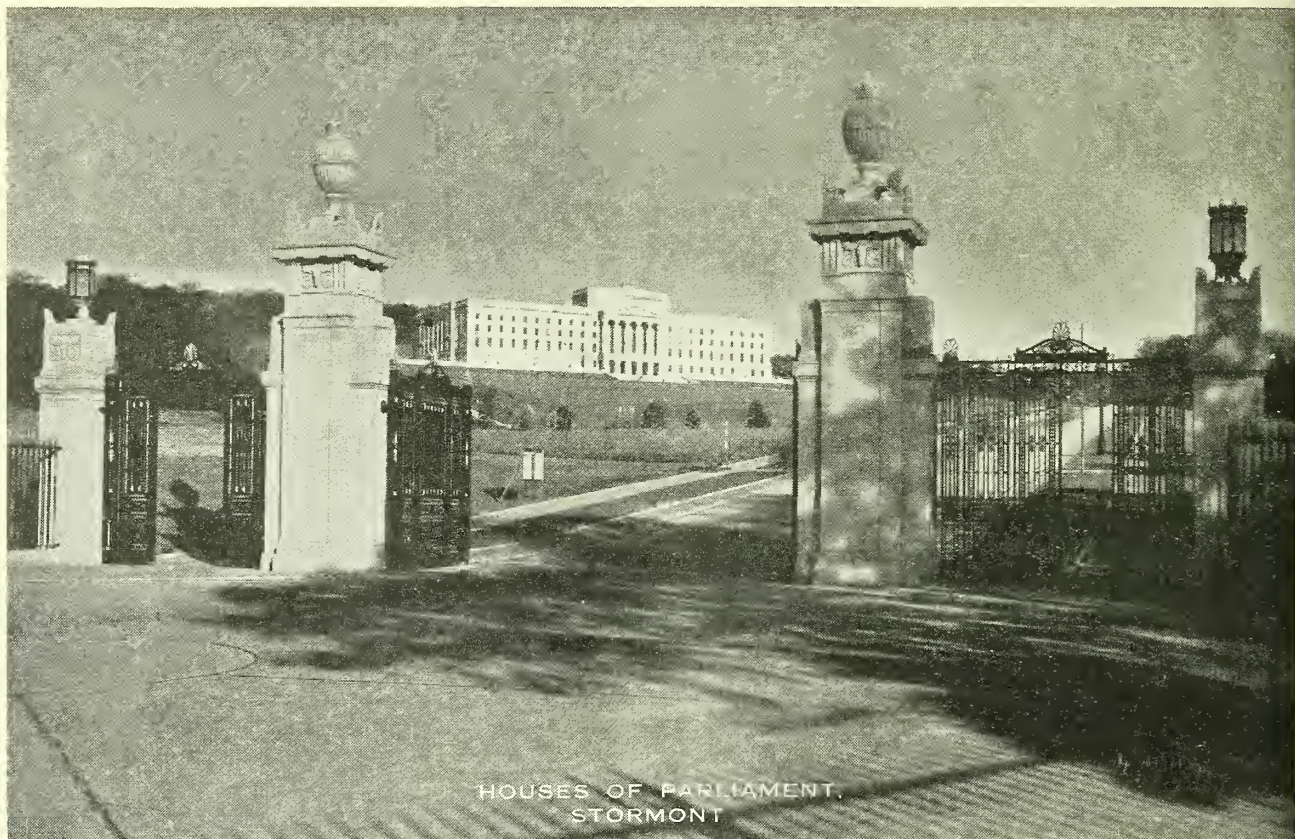
the day be clear distant views of the Scottish coast and of the Isle of Man may be enjoyed. The coastline is not free from the bungalow development that marks modern times. A short distance before the village of Millisle is reached is the striking mansion of Woburn, the residence of Mr. R. Pack-Beresford. Here the last Beresford to be Lord Primate of All Ireland breathed his last. Two miles farther along we run into the old world town of Donaghadee. In earlier times the most direct route to England and Scotland was via Donaghadee and Portpatrick, a crossing of twenty-one miles. The town, while retaining its old-time aspect as a fishing centre, is a favourite place of residence for Belfast people during the summer, and it has long fringes of modern houses both on the Warren and Millisle Road sides. A relic of early times which catches the eye of every visitor is the Moat—a huge dun which rises in the centre of the town. On the summit is a castellated building used as a powder store when the pier was being constructed. Close by is the fine old Parish Church erected in 1626 and enlarged in 1881, and built on the site of an earlier edifice. There are ample boating and bathing facilities. On commencing the six miles run to Bangor an excellent 18 holes golf course is passed on the left. The three islands a mile or so on the right are known as the Copelands, whereon a lighthouse guides the mariners making for Belfast Lough. Equidistant between Donaghadee and Bangor is the little fishing village of Groomsport. This was a landing place of the Danes a thousand years back, and here in 1689 King William's army under General Schomberg disembarked on its way to the battle of the Boyne (1690). The view of the entrance to Belfast Lough here afforded is truly magnificent.

BANGOR

Bangor is a progressive modern seaside resort with a background, like so many of the Irish centres, of ecclesiastical history. Visitors may be surprised to learn that as a Christian settlement Bangor is older than Canterbury by nearly 50 years. St. Comgall founded the abbey in the sixth century and here a missionary college flourished for centuries, from which centres the light of Christianity was spread to many parts of Europe. Of the old abbey only one sculptured cross survives and is now in the Chapel of Clondeboy House, the seat of the Marquis of Dufferin and Ava. Bangor is noted for the pleasing diversity of its public walks. There is none of the monotony of a miles-long promenade. Continuous change of scene is breaking in on the four miles stretch from Carnalea to Ballyholme. The Marine Gardens hold numerous attractions along the rocky shore. When the seafront is illuminated at night by festoons of coloured lights the effect is enchanting. The swimming and diving facilities at the Pickie are famous. International diving contests from high and low boards are staged here and world's swimming champions appear regularly at the galas organised by the local club. At Skippingstone a ladies' pond is available and the Ballyholme pleasure beach is alive from morn till eve in the season. Bangor is a famous yachting centre, and it was through the Royal Ulster Yacht Club the late Sir Thomas Lipton sent all his challenges for the America Cup. The clubhouse is one of the finest in the British Isles. The town boasts the first municipal golf course in Ireland. This is on the Carnalea or Belfast side, the first nine of its eighteen holes being the original nine-hole course of the Royal Belfast Golf Club, the first in Ireland. There is also another admirable eighteen-hole course. Bangor is the largest watering place in Ireland and there is great rivalry between this centre and Portrush for premier place in holiday-making popularity. The closing stages of the drive afford kaleidoscopic changes of rural and coastal contrasts. The tower peeping over the trees in the Clondeboy estate to the left, a mile or so from Bangor, is interesting. This is Helen's Tower, erected about 1850 by a former Lord Dufferin to honour his mother. Tennyson sang of it

"Helen's Tower here I stand,
Dominant over sea and land,
Son's love built me and I hold
Mother's love engraved in gold."

The Tower also inspired Browning to pen lines of appealing beauty. The memorial at Thiepval to the 5,000 sons of Ulster who became casualties at the Somme on July 1, 1916, is a replica of Helen's Tower. Four miles from Belfast is the old—yet new—town of Hollywood, which is believed to possess the only Maypole in Ireland (in the centre of the town). Travelling



HOUSES OF PARLIAMENT,
STORMONT



GREY ABBEY

citywards with Holywood behind, there is on the left the Palace Barracks. Into Belfast through suburban Sydenham and Strandtown our outward route is met again at the Holywood Arches.

The All-day Excursion

The Conference excursion is arranged for Thursday. The route will be northward through co. Antrim, a county in which the coastal scenery is bolder than in co. Down and in which sylvan retreats and smiling vales are unrivalled for picturesqueness. The motor coach trip from Belfast to Garron Tower and the Glens of Antrim via Carrickfergus and Larne and returning via Parkmore, Ballymena and Larne will afford those who take part in it a diversified panorama of sea, glen, moor and fertile plain. Leaving the city by way of York Street (some of the ladies two days previously had visited the great linen and tobacco works) and York Road, where is the terminus for the L.M.S. railway, the industrial atmosphere is not left behind until Whitehouse and Whiteabbey on the outskirts of the city are reached. Meantime Belfast Lough has been opening out on the right. The obelisk on the crest of Knockagh, 900 feet to the left (six miles from the city), is co. Antrim's memorial to her sons who fell in the Great War. Three or four miles further on we slow down as we enter the boundary of the ancient town of Carrickfergus, where a speed limit of ten miles per hour is enforced.

CARRICKFERGUS

This is an interesting old-world town of various streets and quaint old gates and archways, indeed, there is no more historic town along the coast. Of its castle, a twelfth-century Anglo-Norman fortress, volumes could be written. It is the best preserved Norman military stronghold in the United Kingdom. The castle has seen many vicissitudes. It was the stronghold of the Colonists in the rebellion of 1641, and it saw the landing of William III in 1690. In 1760 the castle was besieged and captured by the French Commander, Thurot, and in the bay opposite it the famous privateer, Paul Jones, fought and captured H.M.S. "Drake." For seven centuries it served a useful function as a military dépôt. It was only within recent years the military were withdrawn. Carrickfergus was long the chief stronghold of the English in the North of Ireland, and its importance was marked not only by its castle but by the erection of town walls. Some remains of these are to be seen. The parish church of St. Nicholas was built in the thirteenth century. The interior contains the tomb of de Courcy, who built the castle, monuments to the Chichester family who founded modern Belfast, and members of the Chichester family. There are extensive salt mines in active operation in the vicinity of the town. Passing out of Carrick we soon leave behind a village rejoicing in the name of Eden and the parish of Kilroot, which was the first living in which Dean Swift served. There he met Jane Waring, so intimately linked with him in later days as Stella. The quaint old house he occupied is still to be seen on the shore. Passing up a long gradient shaded with trees, and at the end of the rise above Whitehead, there is a glorious sea view. The lighthouse a mile to the north is Black Head guarding the entrance to Belfast Lough. From Whitehead the road leads to Ballycarry, which gives access to the fertile eight-mile long peninsula of Islandmagee on the right. The inlet of the sea dividing the peninsula from the mainland is Larne Lough. Pushing on through Magheramorne, a cement works makes sharp contrast to its rural surroundings; the journey is continued through the pretty little village of Glynn, a model of neatness, a "picture village" indeed. The handsome war memorial will not pass unnoticed. The road runs side by side with the railway for several miles and eventually the thriving seaport town of Larne is reached. This is a popular base for English and Scottish tourists who by the thousand each year make the drive of the far-famed Antrim coast road. Nearly two hundred years ago Larne was the only port in Ulster from which emigrant vessels sailed. Those to whom historic background makes appeal will be interested to be reminded that in 1315 Edward Bruce landed here with an army of 6,000 bent on the conquest of Ireland! There are some remains of the centuries old Castle of Olderfleet—the former name of the town—on the Curran promontory.

THE ANTRIM COAST ROAD

Larne is the starting point of the famous Antrim coast road, remarkable alike for engineering boldness and for the scenery

which it commands. One hundred years ago—one hundred and one to be exact—it was cut through cliffs and built over filled-in chasms, the entire scheme being carried through at the joint expense of the Government and the county. Close to the sea for twenty-five miles the road unwinds itself past massive cliffs and boulders, now black, now white, sweeping down unexpectedly in little towns and hamlets with music and poetry in their names—Ballygally, Glenarm, Carnlough, Waterfoot, Cushendall and Cushendun. As the base of rugged headlands are skirted, one almost fears that the frowning boulders will topple over. Round sweeping bays the whitest of white stones are washed by the motion of the tides. The lighthouses on the rocks eight miles out to sea—they seem to change position as the journey continues—are known as the Maidens. A mile out from Larne the route runs under the Black Arch, the sides of which are formed of basaltic columns of large dimensions. Landscape and seascape continuously compete for the eye's attention. The "madman's window," the "corn sacks" and other features of interest will be pointed out by the drivers. Midway between Larne and Glenarm are Ballygally and Cairncastle, where numerous pretty bungalows have sprung up in recent years. Glenarm, eleven miles from Larne, is noted for its castle with barbican gate, the seat of the Earl of Antrim, and its spacious deer park and for its ancient graveyard, wherein stand the remains of the cruciform building formerly a monastery for Franciscan friars of the third order founded in 1465. From Glenarm a three miles' run round the spacious circling sandy bay of Carnlough brings us to the village of that name, but before we reach that pretty watering place we pass a section of the road where minor landslides have occurred, due to the fact that the clay at the base of the cliffs becomes saturated with the springs coming from the chalk. The chalk with its topping of basalt slides downward over the new red marl. The road is kept under constant supervision, and there is no danger to traffic. Above the road at this point is Straidkilly, popularly dubbed "the slipping village." Through Carnlough on this fascinating drive we enter on a stretch which teems with romance. The last wolf killed in Ireland, tradition has it, was shot here in 1712. The Danes levied their taxes along this coast, and the last of these invaders embarked from here when they ceased paying Ireland their "courtesy calls."

GARRON TOWER

At Garron Point, which is on the sheltered side of a bold headland, stands Garron Tower, where lunch is to be served. The tower, a castle-like building, stands on a lofty terrace which geologists tell us was created by a large-scale landslide. It was erected in 1848 by Frances Anne, Marchioness of Londonderry, daughter of the Countess of Antrim. It formerly served as a dower house for the Londonderry family, but is now converted into an hotel. A lovely rose garden and pretty summer house on a point overlooking the sea—the view is enchanting—and a great eucalyptus tree planted by the Marchioness are features, while the air is filled with the aroma from a wood of fir trees in the background. On a bright summer day this spot is a home of sun-kissed peace and tranquillity. When the drive is resumed, the route passes vast cliffs, some reaching to 800 ft., and turns into Red Bay, where another striking view is presented. Near the village of Waterfoot everyone will reluctantly leave the coast road.

THE GLENS OF ANTRIM

Compensation is sweet, for the turns lead into Glenariff, the grandest of the nine green glens of Antrim opening out to the sea between Glenarm and Ballycastle. From the moors and mountain crests of the Antrim tableland they run down to the shore. No pen can do justice to Glenariff, with its sloping hillsides of vivid green dotted here and there with gleaming white thatched cottages and with wild flowers in profusion. The homely smell of burning turf greets the nostrils in this dreamland of beauty. The upper entrance to the glen is through a rocky gorge about two miles in length, which has been excavated by the torrent that flows down it. The walk is an easy one down hill, and the path has been admirably constructed. Rustic bridges cross the stream here and there, and seats and shelters are to be found in situations where a rest and a delightful view may be obtained at the same time. The scenery of the gorge is perfect of its kind, and a profusion of cascades and falls shut in by walls of rock and shadowed by



overhanging trees, with their cool green foliage, win the admiration of every lover of Nature. Of the falls the finest are Ess-na-Larach (the fall of the battlefield), in the glen itself, and Ess-na-Crub (the fall of the hoof), on a tributary of the main stream at the mouth of the glen. Opposite the entrance of the path to Ess-na-Crub is the tea-house, from which a fine prospect opens down the Vale of Glenariff to the sea. The scene changes, and after "one long, last lingering look behind" at the Vale of Glenariff, Conference visitors will move along a road now flanked by moorland stretches, having passed Parkmore, the terminus of the narrow-gauge railway line from Ballymena, which has the distinction of being the highest railway station in Ireland (1,000 ft. above sea level). On the left a fine view of Slemish Mountain, on the slopes of which St. Patrick as a boy slave herded sheep, is now obtained. The run over the well-conditioned road between wide tracts of moorland and bogland is exhilarating. Gradually the country becomes more pastoral, and the road descends into Ballymena, "the city of the Seven Towers," a thriving town in the heart of the country, where there are several large linen manufacturing concerns. At Ballymena the main inland road is taken to Belfast, with twenty-six miles of the journey still to complete.

ANTRIM ROUND TOWER

At Antrim, an important town, the route passes the fringes of Lough Neagh, the largest lake in the British Isles (153 square miles). Adjacent is the famous Shane's Castle and estate, the former home of the O'Neills of Ulster. On the left, before entering the town, the top of the finest Celtic Round Tower extant may be seen above the trees. It is the solitary remnant of the ecclesiastical foundation that once flourished round it. Former controversy waged long round the question as to whether the origin of round towers was Pagan or Christian, but the latter view is now incontrovertible. The tower at Antrim is 92 ft. high, with a circumference of 50 ft. at the base. The doorway is well over the ground with inclined jambs about 5 ft. 6 in. in diameter. The lintel stone bears a rudely-shaped cross, but whether contemporaneous with the tower or an addition cannot be decided with certainty. The windows are at the top and face, as is the usual custom, the points of the compass, and the stone roof is conical. In recent years one of the show places of Antrim is the humble little cottage in Pogue's Entry in which the Rev. Dr. Alexander Irvine, author of the moving story of Irish peasant life, "My Lady of the Chimney Corner," was born. Dr. Irvine, whose home is in California, but who periodically revisits his native land, rose from a newsboy to be a minister and author of note. Over a refreshing cup of tea in Antrim these and other features of the district may be discussed.

Moving once more after an hour's break, at Muckamore, a mile on the Belfast side of the town, may be seen linen bleaching on the greens of the York Street Spinning Co., whose dyeing and bleaching works are here. The wall at Templepatrick bounds the demesne of the Templemore family, distinguished in Irish history. Over the cement road the journey enters on its closing stages. Cave Hill looms in sight, and on the left is Carrmonee Hill, a volcanic neck, last remnant of a big volcano. At Glengormley the city tram lines appear again and pass on the right Bellevue, Hazelwood, and Belfast Castle estate, already described. On the Antrim road below are the old waterworks pond, and a glance back gives a splendid view of the Napoleonic profile on the Cave Hill. The day's run has made a circuit of well over 100 miles, yet has only sampled a section of the charms which the county of Antrim holds out to her ever-welcome visitors.

Friday's Outing to the Causeway

Portrush, to which the final day's excursion will be made by fast L.M.S. train, is one of the most bracing health and holiday resorts in Ireland. The rail journey is now shortened by some twenty minutes by the laying of a loop line near Belfast, constructed at a cost of £250,000 two years ago. The loop line is carried over the largest ferro-concrete viaduct in the British Isles. Portrush is finely situated on the neck of a projecting headland, Ramore Head. On the west lies the harbour, looking across a wide bay to the highlands of Derry and the Innishowen peninsula. On the east a broad sandy beach stretches for a couple of miles to the White Rocks, a limestone cliff carved into picturesque caverns and arches by the action of the waves, and facing this beach lie the Skerries, a line of rugged islets, beyond which flows the North Atlantic.

Beside the town are the championship golf links, a series of fine courses, and perhaps the most popular in Ireland. The "Blue Pool" is famous as a bathing resort, and Ramore Head is a veritable pleasure and recreation ground.

GIANT'S CAUSEWAY

The trip to the Giant's Causeway is to be made by the electric tramway, which was the first system of the kind in operation in the United Kingdom. The line runs along the top of the headlands as far as Bushmills, and affords superb views of the coast scenery. It passes the ruins of Dunluce Castle, a picturesque scene that won the praise of Sir Walter Scott and is described in one of his novels, though under a different name. After leaving Dunluce the tramway passes through Bushmills, famous for the manufacture of whisky, and shortly afterwards reaches its terminus at the Causeway, one of the wonders of the world. The visitor is recommended to approach the Causeway with an open mind. Preconceived mental pictures of many of Nature's Meccas have led to disillusionment. There may be some to whom the Causeway at first sight has brought a tinge of disappointment because the scale did not prove so gigantic as anticipations had conjured up. There are none who allow the silent mystery of this miracle in stone to steal upon them; who cogitate till

Reason pauses, doubtful if it stand
The work of mortal or immortal hand

who will come away unimpressed. The Causeway is unique; it is haunted by legend and romance; it is steeped in a mystery which all the expositions of the geologists cannot entirely dispel; its spell is so cumulative that its potency is often greater when one has left it than during the actual period of inspection. What is the Giant's Causeway? The Causeway—or Causeways, for there are really three, the "little," the "middle" (or honeycomb) and the "grand"—is a promontory of stone columns, some 4,000 in number, each having the shape of a hexagon or other polygon. By far the greater number are six-sided. How they came to be fashioned in with such mathematical exactitude is a problem over which geologists still delight to debate. The pillars are basalt, and each column is distinct from its fellows. They are so closely set together that a knife blade can scarcely be inserted in the interstices. The columns vary in diameter and some are as high as 40 ft. Each pillar is a separate marvel, being formed of concave and convex joints which fit into each other in marvellous fashion. The first superficial impression is that it is all artificial; one's wonder deepens when it is realised that the Causeway is not the work of man.

The Causeway has been brought about by some extraordinary volcanic action, for corresponding stone formations may be seen along this coast for many miles. There are similar traces in the Scottish Islands of Mull, Skye and Staffa. Geologists inform us that in basaltic lava, and now and again in other rocks, columnar structure is developed under certain conditions. As a study in the laws of the formation of columnar structure the Causeway and its environs are unique. Boats may be hired in suitable weather to visit the numerous caves and cliffs at the Causeway, and the sail past the headlands gives perhaps the most impressive view of this marvel of Nature. The caves can be penetrated, tide permitting, for quite a distance, notably Portcoon cave, whose interior has been compared to the side of a Gothic cathedral. The boatmen—having given due warning, of course—fire a pistol shot whose reverberating echoes have a weird and startling effect. On foot, however, no tiresome climbing is necessary for a first hand inspection. Guides will be only too willing to point out the principal features—the three Causeways, Lord Antrim's Parlour, the Giant's Organ, the Giant's Loom, the Giant's Well, the Gateway, the Wish Chair, the Lady's Fan, the Keystone, the Giant's Amphitheatre and Pleaskin Head. Pleaskin Head is nearly 400 feet high and is the finest of all the promontories. It shows a series of pillars 60 feet high shaping the face of the cliff. One of the bays is named Port-na-Spania, and tradition has it that the isolated columns at its western extremity were mistaken for the towers of Dunluce Castle (nearer Portrush) and fired upon by one of the ships of the Armada.

The photographs illustrating this article were taken by A. R. Hogg (Bangor, Hazelwood, Stormont, Giant's Causeway, Garron Tower, Linen Bleaching) and W. & G. Baird, Ltd. (Carrickfergus Castle, Greyabbey).



Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values.

28 Essex Street, W.C.2, June 13

THE markets have continued generally steady during the past week, with a moderate flow of business in limited quantities. The uncertainty in international currency exchanges is not so acute this week, but there is still a definite lack of forward business where "exchange" is a contingency. Under the circumstances spot supplies of some natural products are becoming depleted. In the pharmaceutical chemicals markets there is little change of importance to record. SANTONIN is keeping steady and moving fairly well. QUININE SALTS show no further alteration since last week's reduction. Business has been rather quiet throughout.

Crude Drugs

A number of products in this market continue in very fair demand, with values fully maintained, while some of the leading speculative lines remain neglected. AGAR continues to sell well, particularly parcels near afloat. CAPE ALOES are nominal, with nothing available on spot or at the source. CURAÇAO are very scarce and firm on spot; shipment business at high figures has been good. BUCHU leaves are steady on spot and firm for shipment. Norwegian COD-LIVER OIL is firm for shipment. Russian ERGOT has been selling at keen prices. HYDRASTIS is dearer and firm forward, with the source indicating shortage of supplies. MENTHOL has been dull and is quoted slightly easier. The shipment price for MERCURY is again dearer. SENEGA is a firm market forward. TRAGACANTH is meeting with a steady demand for the textile grades. BEESWAX is firm on spot.

Essential Oils

Business in essential oils has been rather restricted this week. ANISE (STAR) is steady. CEYLON CITRONELLA is quoted at very cheap prices for shipment. SICILIAN hand-pressed LEMON continues quiet in the shipment market. FRENCH GUINEA ORANGE is at better figures forward. JAPANESE PEPPERMINT is tending steadier at the source. PETITGRAIN is slightly cheaper.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	June 13	Value of the £
Amsterdam ...	Fl. to £	12.107	7.29½	12/0½
Berlin ...	Mks. to £	20.43	12.22	11/11½
Brussels ...	Belgas to £	nominal	29.14	16/7½
Copenhagen ...	Kr. to £	18.259	22.40	24/8
Lisbon ...	Esc. to £	110	109½	19/11½
Madrid ...	Ptas. to £	25.22½	36½	28/6
Milan ...	Lire to £	92.46	59½	12/11½
Montreal ...	Dol. to £	4.86½	4.94½	20/4½
New York ...	Dol. to £	nominal	4.94	20/4
Oslo ...	Kr. to £	18.159	19.00½	21/11
Paris ...	Fr. to £	124.21	74½	12/0½
Prague ...	Kr. to £	164.25	118½	12/0½
Stockholm ...	Kr. to £	18.159	19.39½	21/4
Warsaw ...	Zloty to £	43.38	26½	12/0½
Zurich ...	Fr. to £	25.2115	15.15	12/0½

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

BUSINESS in these products has been on a rather limited scale. Quoted prices show but little variation on the week. Quinine salts are steady at the reduction notified last week.

AMIDOPYRIN.—Spot values well under replacement costs; business dull: crystals, five cwt., 18s. 0½d.; two cwt., 18s. 5½d.; less than two cwt., 18s. 10½d. per lb., ex store; powder, 2½d. per lb. extra.

BARBITONE.—Small inquiry, with low spot figures mentioned: to arrive, one cwt., 15s. 3½d.; 56 lb., 15s. 8d.; small parcels, up to 16s. 0½d. per lb.

BENZOIC ACID (B.P.).—Moderate inquiry; market steady: quantities, ex works, 1s. 9½d.; spot parcels, 1s. 10d. to 2s. 2d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' prices for these salts are steady. Carbonate, cwt. lots, 6s. 6d.; 8 lb., 7s. 3d.; smaller parcels, 8s. 6d. per lb., carriage paid. Metal values unchanged.

CITRIC ACID (B.P. CRYSTALS).—British makers quoting at 11½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

CREAM OF TARTAR.—British material, 99 to 100 per cent., is quoted at 79s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers' prices for imported are competitive.

HEXAMINE.—Steady inquiry. British, B.P. powder, from 1s. 3½d. to 1s. 4½d.; free-running crystals, from 1s. 7d. to 1s. 8½d. per lb., carriage paid, for bulk lots. Dealers quoting free-running crystals, two cwt., 1s. 8d.; one cwt., 1s. 9d.; 14 lb., 1s. 10d.; smaller parcels, up to 2s. per lb., carriage paid.

HYDROQUINONE.—Fair business, with keen prices being quoted: one cwt., 4s. 6½d.; 56 lb., 4s. 8½d.; 28 lb., 4s. 10½d.; 14 lb., 5s. 1½d. per lb., carriage paid.

IODIDES.—Makers' prices for these salts are steady. Potassium Iodide, B.P., one cwt., 5s.; 28 lb., 5s. 2d.; 14 lb., 5s. 4d.; 7 lb., 5s. 8d.; 4 lb., 6s. 2d.; smaller quantities, 6s. 8d. per lb.

MERCURIALS.—Makers' prices for these salts continue unchanged. Chloride, B.P., one cwt., 4s. 9d.; less than one cwt., 4s. 10d. per lb. Metal values are quoted slightly dearer for shipment from the Continent.

METHYL SALICYLATE.—Market remains generally quiet: spot, ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 7d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Spot prices under forward quotations: to arrive, one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, 20s. 8½d. per lb.

PHENACETIN.—Market has been dull, spot offers competitive; business quiet. Crystals or powder, bulk quantities, 2s. 7d. to 2s. 9d.; smaller parcels, 2s. 9½d. to 3s. per lb., as to quantity.

PHENAZONE.—The scale for home trade is as follows: crystals, five cwt., 8s. 9½d.; two cwt., 9s. 0½d.; less, 9s. 3d. per lb.; powder, 2½d. per lb. extra. Export prices to the Empire, quoted f.o.b. Continent: five cwt., 8s. 9d.; two cwt., 8s. 11d.; less than two cwt., 9s. 1d. per lb.

QUININE SALTS.—Convention prices are steady at the reduction notified last week. Sulphate, 2s. 1d.; bisulphate, 2s. 1d.; ethyl carbonate, 2s. 8½d.; salicylate, 2s. 9½d.; phosphate, 3s. 2½d.; hydrochloride, 2s. 7½d.; bihydrochloride, 2s. 10½d.; hydrobromide, 2s. 7½d.; bihydrobromide, 2s. 10½d.; valerianate, 3s. 7d.; hypophosphite, 3s. 10½d.; alkalioid, 2s. 11d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packing extra.

RESORCIN.—Market dull and unchanged: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

SALICYLIC ACID (B.P.).—No improvement in demand; quoted unchanged: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 8d.; 14 lb., 1s. 9d.; 7 lb., 1s. 11d.; 4 lb., 2s. per lb.

SANTONIN.—Prices are being steadily maintained at about £11 7s. 6d. to £11 10s. per kilo., and slightly less for bulk quantities. Business has continued on a fair scale.

SILVER NITRATE.—Makers' prices are as follows: 1 oz., 2s. 5d.; 2 to 24 oz., 2s. 4½d.; 25 to 49 oz., 2s. 3½d. per oz., ex store. Standard silver, 32½d. per oz.

SODIUM DIETHYLBARBITURATE.—Very little inquiry; spot, one cwt., 15s. 9d.; 28 lb., 16s.; 14 lb., 16s. 3d.; 7 lb., 16s. 6d.; smaller parcels, up to 17s. per lb.

SODIUM SALICYLATE (B.P.).—Makers' quoted prices are unchanged: inquiry slow: home trade, crystals or powder, five cwt., 1s. 8½d.; one cwt., 1s. 9d.; 28 lb., 2s.; 14 lb., 2s. 2d.; 7 lb., 2s. 3d.; 1 lb., 2s. 6d. per lb.

SULPHONAL.—Spot offers at cheap figures; market dull: crystals or powder, one cwt., 15s. 10½d.; 56 lb., 16s. 6d.; smaller parcels, up to 17s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—British makers quote at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported material are competitive.

THEOBROMINE.—Continental material is quoted as follows: pure, two cwt., 7s. 0½d.; one cwt., 7s. 2½d.; 56 lb., 7s. 4½d.; less than 56 lb., 7s. 6½d. per lb. Soda salicylate, two cwt., 6s. 1½d.; one cwt., 6s. 2½d.; 56 lb., 6s. 3½d.; less than 56 lb., 6s. 4½d. per lb., 5-lb. tins free, carriage paid. Other salts quoted proportionately.

THYMOL.—Steady but rather quiet: synthetic, fine white, one cwt., 5s. 9d.; 56 lb., 5s. 11½d.; 28 lb., 6s. 3½d.; 14 lb., 7s. per lb.; ex ajowan seed, one cwt., 8s. 3d.; 56 lb., 8s. 6d.; 28 lb., 9s.; 14 lb., 10s. per lb.

VANILLIN.—Inquiry fair; Convention prices maintained. Ex clove oil or guaiacol, five cwt., 13s. 3d.; one cwt., 13s. 6d.; 56 lb., 13s. 9d.; less, 14s. per lb.

Crude Drugs, etc.

AGAR.—Business in goods near afloat has been well sustained at full figures; shipment market steady. Spot, Kobe No. 1, 2s. 6d.; No. 2, 2s. 4d.; Yokohama No. 1, 2s. 4d. per lb.; shipment, Kobe No. 1, 2s. 5d.; No. 2, 2s. 3d.; Yokohama No. 1, 2s. 3d. per lb.

ALOE.—In Curaçao a very limited spot supply is firmly held for 95s. to 100s. per cwt., and tends to go still dearer; shipment is dearer and offers restricted at 82s. 6d. to 84s. per cwt., c.i.f. Cape: Nominal on spot and for shipment, with practically nothing available.

BALSAMS.—Business has been slow. *Canada* is now down to about 2s. 11d. *Tolu* unchanged at 1s. 4½d. to 1s. 5d. per lb.

BARBASCO ROOT.—Some root testing 4.8 rotenone is available on spot at about 1s. 1d. per lb.

BELLADONNA.—Small spot business, with leaves about 65s. and root about 57s. 6d. per cwt.

BUCHU.—Market continues full steady, with ovals at 11½d. and short in supply on spot. Rounds are quoted from 1s. 1½d. for fair to 1s. 3d. for good green. Recent shipment quotations are at comparatively higher figures.

CASCARA SAGRADA.—The shipment price for new crop continues at 29s. per cwt., c.i.f., for car-load lots. Some Canadian is quoted at 34s. 6d. per cwt., landed.

CHAMOMILES.—A fair business in small quantities, with remaining spot stocks quoted from 170s. to 187s. 6d. per cwt., as to quality.

CLOVES.—Market steady but rather dull. Zanzibar, spot, 6½d.; shipment, June-July, 6½d. per lb., c.i.f. Madagascar, 5½d., in bond; shipment, June-July, 5½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended June 8 were *nil* and the deliveries 210, leaving a stock of 2,581. From January 1 to date the landings of Zanzibar have been 1,438 and the deliveries 1,951. Landings of Madagascar for the week ended June 8 were *nil*, and the deliveries 83, leaving a stock of 1,892. From January 1 to date landings of Madagascar have been 2,623 and the deliveries 980 packages.

COCONUT (DESICCATED).—At the advance the market is fully steady. Spot, fine, 25s.; medium, 23s.; shipment, halves, June, 22s.; July, 21s. 6d. per cwt., c.i.f. London stocks, 1,853 cwt., compared with 11,897 cwt. a year ago.

COD-LIVER OIL.—Finmarken fishing results to June 8 give oil yield at 66,318 hectol., compared with 84,092 hectol. on the same date last year and 76,722 hectol. in 1933. Bergen reports shipment very steady at 91s. to 92s. per barrel, c.i.f. London. Spot, in small lots, 135s. per barrel, ex store, duty paid. Newfoundland, non-freezing medicinal oil, 130s. per barrel, ex store. British non-freezing medicinal oil is now quoted at 110s. to 112s. 6d. per barrel, c.i.f. London, duty free, while quotations from another home source are at higher figures.

CORRAGHEEN MOSS.—Practically no supplies on spot. New crop will be available in July.

CUBEBS.—Some good Singapore is offering on spot at about £9 10s. per cwt.

ERGOT.—Fair demand for Russian, which is now quoted down to 1s. 2d. Spanish in small supply at 1s. 6d., spot; shipment, 1s. 5d. per lb., c.i.f.

GUM ACACIA.—Market is about steady; business quiet; spot, Kordofan cleaned sorts, 45s.; bleached, 87s. 6d.; shipment, Kordofan cleaned sorts, 41s. 6d. per cwt., c.i.f.

HENBANE.—Supplies available on spot are being offered from 80s. to 85s. per cwt., as to quantity.

HONEY.—The demand continues restricted, with supplies freely offered. Jamaican, 23s. 6d. to 35s., as to quantity. Californian, 45s. 6d. to 48s. per cwt., for pale to white set.

HYDRASTIS.—The shipment market is firmer, with orders to book at 6s. 3d., c.i.f., so far unconfirmed; reports indicate shortage at the source. On spot, holders are firm at 6s. 6d. per lb.

IPECACUANHA.—Not much business; market steady, with Matto Grosso quoted at 4s. 10½d. to 5s. per lb., spot.

LAVENDER FLOWERS.—There is a scarcity of supplies on spot pending new crop in August-September. Holders are now asking 150s. to 157s. 6d. per cwt.

MENTHOL.—Market has been on the quiet side and values are rather easier. K/S brands, spot, 11s. 6d.; in bond, 10s. 4½d.; shipment, June-July, 9s. 10½d.; October-December, 9s. 7½d. per lb., c.i.f. sellers. Japanese shippers quoting at 10s. per lb., c.i.f.

MERCURY.—The Spanish-Italian group has advanced their shipment price to 56 dollars per bottle, f.o.b. Continent. Spot is also dearer at about £11 10s. per bottle, ex store.

PIMENTO.—About steady; business quiet. Spot, 2½d. per lb.; shipment, May-June, 23s. 6d.; June-July, 24s. per cwt., c.i.f.

SEEDS.—**ANISE.**—Spot, duty paid, Spanish, 68s.; Bulgarian, 33s. 6d. **CARAWAY.**—Dutch, quiet and unchanged, 34s. 6d. to 35s., duty paid. **CUMIN.**—Morocco is in very poor demand; 50s. quoted, in bond, and 55s., duty paid. New crop for July shipment offered at 45s., c.i.f. **CORIANDER.**—Morocco, spot, sold at 12s. 9d., duty paid. For shipment, new crop, 11s., c.i.f., quoted. **FENUGREEK.**—Tunisian, spot, 15s. 6d.; Morocco, 15s., spot, duty paid. **MUSTARD.**—English, 22s. to 33s. per cwt., according to quality.

SENEGA.—The shipment market is keeping well up to 1s. 3d. per lb., c.i.f. The spot value is also at this figure. Some moderate inquiry.

SENNA.—The spot market has so far been quiet. Values quoted for all grades of Tinnevely leaves are as reported last week. Alexandrian hand-picked pods, No. 2, from 2s. 6d. to 3s. per lb.

TRAGACANTH.—Textile grades continue in steady request and quoted values are now in the region of 115s. to 125s. per cwt. Druggists' quality in limited supply and quoted at £26 to £28 for the finest and £18 to £24 for seconds.

VALERIAN ROOT.—Supplies on spot very scarce and held for about 90s. per cwt., for small parcels.

WAX.—**BEES'** Spot values firm, some kinds again dearer and supplies very restricted. Abyssinian, spot, 112s. 6d.; shipment, 97s. 6d., c.i.f. Benguella, spot, 110s.; in bond, 100s.; shipment, 97s. 6d., c.i.f. Conakry, spot, 112s. 6d.; shipment, 96s., c.i.f. Dar-es-Salaam, spot, 110s., nominal; nothing offering; shipment, 100s., c.i.f. **CARNAUBA.**—Values are unchanged on the week. Fatty grey, 142s. 6d.; shipment, June-July, 142s. 6d., c.i.f. Chalky grey, 140s.; shipment, May-June, 140s., c.i.f. Primeira, 220s.; shipment, May-June, 190s., c.i.f. Mediana, 210s.; shipment, June-July, 180s. per cwt., c.i.f.

Essential Oils, etc.

BUSINESS on moderate lines, with most values steadily maintained. Anise (Star) is steady. Ceylon citronella is now at very low figures for shipment. Sicilian lemon shows no improvement. French Guinea orange is steadier forward. Japanese peppermint is quiet but dearer at the source.

ANISE (STAR).—A steady business on spot, with values fully maintained. Spot, "Red Ship," in leads, 2s. 4½d.; in tins, 2s. 3d.; in drums, 2s. 2½d. Shipment, in leads, 2s. 4d.; in tins, 2s. 2½d.; in drums, 2s. 2d. per lb., c.i.f.

CASSIA.—Market is steady but quiet. Spot, 5s. 1d. to 5s. 3d.; shipment nominal at 4s. 9d. per lb., c.i.f.

CEDARWOOD.—Occasional inquiry; market steady. African oil, 1s. 1½d., in drums, with American oil about competitive. Smaller packings, up to 1s. 4½d. per lb.

CITRONELLA.—The amount of inquiry for shipment is still negligible despite current low prices. Ceylon, shipment, about 11½d. to 11¾d. per lb., c.i.f., in drums; spot, drums, 1s. 2d. to 1s. 2½d.; smaller packing, up to 1s. 4½d. per lb. Java, shipment, about 1s. 2d., c.i.f., in drums; spot, in drums, about 1s. 4d.; smaller packing, up to 1s. 6½d. per lb.

GERANIUM.—Bourbon for shipment is being maintained at 21s. 3d. per lb., c.i.f., for good quality oil. On spot, offers range from 21s. to 22s. 6d., as to quality. Algerian, 22s. 4½d. per lb., spot.

HO (SHU).—Fair business on spot, with dealers quoting 1s. 9½d. to 2s. 1d. per lb., as to quality and quantity.

LEMON.—Conditions in the shipment market for Sicilian hand-pressed, new crop, remain dull, with low values persisting in the region of 3s. 10d. to 4s. per lb., c.i.f., as to brand and quantity. Dealers are selling limited quantities slowly on spot at about 3s. 11d. to 4s. 3d. per lb. Californian, spot, large drums, 2s. 5d.; small drums, 2s. 5½d. per lb.

LEMONGRASS.—Interest in the shipment market is still negligible, with prompt quoted at about 2s. 7½d. to 2s. 8d. and distant positions round about 2s. 6d. per lb. Spot oil is available from 3s. 1½d. to 3s. 3d. per lb.

NEROLI.—New crop prices are quoted as follows: 13s. 6d., 14s. 9d., 17s. and 19s. 6d. per oz., according to quality, landed, duty paid.

ORANGE.—Except for a little more business on spot, mostly in French Guinea oil, quoted in drums from 3s. per lb., this oil has received little attention; shipment, in bulk quantities, is steadier at 2s. 8d. to 2s. 9d. per lb. Sicilian sweet is nominal at 11s., c.i.f. Californian, spot, one case, 2s. 6½d.; two or more cases, 2s. 4d.; drums, 2s. 3d. per lb.

PEPPERMINT.—The spot market has been quiet. On spot, 3s. 10d.; afloat, 3s. 9d.; shipment, June-July, 3s. 8d.; October-December, 3s. 3d. per lb., c.i.f. sellers. Orders cabled to Japanese shippers at 3s. 1½d. for October-December brought back offers at 3s. 4½d., c.i.f. Prompt is quoted at the source at 3s. 9d., with the market fully steady. The American natural oil in drums is quoted for shipment at about 2 dollars 50 cents to 2.85 per lb., c.i.f., as to brand.

PETITGRAIN.—Inquiry continues on a moderate scale. Spot, 4s. 2d. to 4s. 3d.; shipment, quoted at 3s. 6d. per lb., c.i.f.

SANDALWOOD.—Genuine East Indian Mysore, 19s. per lb., in one-case lots, on spot; isolated cheaper offers noted. English-made East Indian, 22s. 6d. to 25s. per lb., as to quantity. English-made West Indian, cwt. lots, 6s. 9d.; 56 lb., 6s. 10½d.; 14 lb., 7s. per lb. Australian, case lots, 15s. 6d. per lb.

SPEARMINT.—Market is competitive but fairly steady; business modest. Spot, 8s. 3d. to 8s. 7½d.; shipment, 7s. 7½d. to 7s. 9d. per lb., c.i.f.

SPIKE.—Dealers' prices for Spanish steady; business negligible. Spot, about 5s. 6d. per lb.

Empire Trade in Beeswax

THE Bulletin of the Imperial Institute, No. 1, 1935, gives the following tables of Empire trade in beeswax:—

IMPORTS OF BEESWAX INTO THE UNITED KINGDOM

From	Quantity (cwt.)			Value (£)		
	1931	1932	1933	1931	1932	1933
U.S.S.R. (Russia) ...	941	—	218	5,870	—	412
Belgium ...	380	1,082	1,865	2,122	4,276	7,319
Belgian Congo (inc. Ruanda and Urundi) ...	145	60	1,681	1,015	231	6,310
Germany ...	761	348	413	3,934	1,651	2,039
Netherlands ...	523	286	—	2,041	1,247	—
France ...	3,431	1,674	1,557	21,195	10,208	8,762
French West and Equatorial Africa ...	3,357	1,337	1,478	16,090	5,376	5,626
French Somaliland ...	597	1,292	1,777	3,411	5,162	7,081
Madagascar ...	429	165	409	2,232	71	1,539
Portugal ...	6,108	1,133	3,217	29,385	4,670	12,831
Portuguese West Africa ...	1,731	1,165	318	8,137	4,839	1,211
Portuguese East Africa ...	702	336	79	3,733	1,011	303
Spain ...	155	689	198	806	3,812	1,077
Egypt ...	252	571	266	1,345	2,207	1,436
Morocco ...	211	—	—	1,069	—	—
Abyssinia ...	1,293	1,853	325	7,258	6,866	1,290
Chile ...	633	635	181	4,217	3,105	924
Brazil ...	—	—	100	—	—	333
United States of America ...	578	146	385	3,690	1,441	3,535
Other foreign countries ...	514	657	250	2,607	2,494	1,047
Total from foreign countries ...	22,741	13,429	14,717	120,157	59,312	63,075
British East Africa ...	2,891	2,389	5,802	13,008	10,995	24,848
Nigeria ...	162	150	492	803	592	1,958
Anglo-Egyptian Sudan ...	1,070	2,269	799	4,801	8,776	3,192
Jamaica ...	45	123	114	255	690	549
British India ...	337	518	783	1,927	2,687	3,665
Other British Empire ...	381	671	362	1,941	3,235	1,361
Total from British Empire ...	4,886	6,120	8,352	22,735	26,975	35,573
Total ...	27,627	19,549	23,069	142,892	86,287	98,648
RE-EXPORTS TO:						
Germany ...	548	51	25	2,642	247	157
Denmark (inc. Faroe Islands) ...	—	—	222	—	—	1,295
France ...	—	—	100	—	—	589
United States of America ...	286	987	2	1,322	5,422	11
Other foreign countries ...	414	480	160	2,090	2,266	1,052
Total to foreign countries ..	1,248	1,518	509	6,054	7,935	3,104
Australia ...	—	—	256	—	—	1,536
Irish Free State ...	—	—	242	—	—	1,093
Union of South Africa ...	—	—	126	—	—	640
Other British Empire ...	747	899	115	4,349	4,803	742
Total to British Empire ...	747	899	739	4,349	4,803	4,011
Total ...	1,995	2,417	1,248	10,403	12,738	7,115

EXPORTS FROM EMPIRE COUNTRIES

Kenya and Uganda						
Total ...	1,130	1,050	954	4,518	4,129	3,935
To United Kingdom ...	—	73	40	—	259	160
Other British Empire ...	—	35	—	—	123	—
France ...	80	51	40	320	205	160
Germany ...	488	791	274	1,948	3,142	1,085
Belgium-Luxemburg E.U. ...	342	—	140	1,370	—	560
Netherlands ...	—	100	300	—	400	1,250
United States ...	220	—	160	880	—	720
Nyasaland						
Total ...	195	170	241	1,092	953	1,348
To United Kingdom ...	127	119	87	710	665	487
Germany ...	68	51	154	382	288	861
Tanganyika						
Total ...	12,143	7,820	13,600	47,010	31,965	52,751
To United Kingdom ...	2,510	2,120	5,840	8,929	8,021	22,075
Other British Empire ...	1,090	480	180	3,801	1,825	620
France ...	1,502	720	300	5,513	2,976	1,225
Germany ...	2,807	1,780	3,760	11,567	7,882	15,246
Belgium-Luxemburg E.U. ...	1,805	740	860	7,392	3,200	3,326
Netherlands ...	1,629	820	640	6,050	3,374	2,544
United States ...	662	1,080	1,820	2,685	4,313	6,965
Other foreign countries ...	138	80	200	473	374	750
Gambia						
Total, all to—	—	—	—	—	—	—
United Kingdom ...	104	368	99	344	1,254	272
Jamaica						
Total ...	70	141	113	343	652	512
To United Kingdom ...	70	141	111	343	652	498
Other countries ...	—	—	2	—	—	14
British India						
Total ...	15,466	4,497	11,645	30,059	10,880	22,877
To United Kingdom ...	381	383	705	2,441	2,080	3,919
British Malaya ...	399	60	134	1,851	299	534
Union of South Africa ...	—	103	—	—	161	—
Other British Empire ...	496	944	742	1,731	3,613	2,250
Continent of Europe ...	—	6	60	—	19	219
Japan ...	14,189	3,000	9,969	24,002	4,705	15,797
Other foreign countries ...	1	1	35	34	3	158

Chinese White Insect Wax

WHITE WAX, a substance deposited on trees by a scale insect, is produced in many Chinese provinces, but the best wax comes from Szechuan, the centre of industry being Kaitingfu. The substance deposited by these insects is colourless, almost odourless, without taste, brittle and resembles spermaceti in appearance. It is soluble in alcohol, and dissolves with great difficulty in naphtha. In structure it is crystalline and is extremely hard. It is used largely as a coating for Chinese candles, its high melting point rendering it useful as a protection for the fats and oils also employed. It is likewise used to impart a gloss to good quality paper, as a coating for pills, to polish jade, soapstone and furniture, and to give lustre to cloth. When exported it is used largely for such purposes as waxing floors of polished wood; as an ingredient in the manufacture of varnishes; for making crayons; for making wax figures, artificial flowers and fruit, etc. In Szechuan, the insects are bred in the Kiangchang Valley, south-west of Kaiting. They develop during the winter on the twigs of the privet. The cone-like scales, full of minute eggs, are removed late in April to the wax districts, 200 miles north-east (Kaitingfu), by porters who travel in relays, speed being necessary, especially in the warm weather, in order to arrive before the insects hatch out. The cones are placed on pollarded trees, either ash or privet, where they hatch, and after a moulting period the insects deposit the wax on the lower surfaces of the branches. The depositing process continues until the end of August, when the wax is gathered. It is placed in boiling water, and the clear wax skimmed from the surface. The best time to buy white wax is in the autumn, but supplies are obtainable all the year round. The refined wax shipped from Chungking is not treated there, but in Suifu, a port some distance farther up the Yangtze, the quality being known as Kaiting white wax. White wax is moulded into large round slabs, weighing about 25-28 catties. These are packed either five or ten slabs to a package, covered with bamboo basket pulled tightly over the wax; gunny cloth is then sewn on and the whole finally is secured. The place of origin is Kaiting and all the districts between Suifu, Yachow, North Yunnan and South of Chengu Plain.

Commercial Notes

JAPANESE CRUDE CAMPHOR.—Crude camphor to be sold by the Japanese Government Monopoly Bureau for the current fiscal year has been fixed at 3,607,000 kilos., an increase of 150,000 kilos. over the previous fiscal year.

JAPANESE PYRETHRUM PRODUCTION, 1934.—According to the Pyrethrum Association, production in 1934 was as follows:—

Prefectures	Pro- duction (kan)	Prefectures	Pro- duction (kan)
Okayama	175,255	Ehime	274,697
Hiroshima	361,347	Kagawa	178,421

Note.—One kan is equal to about 3.75 kilog.

U.S.A. CAMPHOR IMPORTS.—Landings for the first three months of 1934 and 1935 were as follows:—

	Natural, crude		Natural, refined		Synthetic	
	lb.	\$	lb.	\$	lb.	\$
1934 ...	931,085	208,429	509,324	177,791	106,496	44,498
1933 ...	455,424	123,184	491,648	183,617	275,345	108,397

CEYLON CARDAMOM SHIPMENTS.—Exports in 1934 totalled 3,441 cwt., valued at 355,960 rupees, as against 3,161 cwt., valued at 338,096 rupees in 1933. Native Mysore and Malabar grades of cardamoms were affected by the drought which prevailed during the summer. The chief destinations were as follows:—

	1934	1933		1934	1933
	Cwt.	Cwt.		Cwt.	Cwt.
United States ...	388	790	Germany ...	162	323
Denmark ...	329	244	Japan ...	158	254
United Kingdom ...	284	242	British India ...	39	161
Egypt ...	252	181	Norway ...	58	99
Sweden ...	191	265			

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

"Improving" Pharmacy

SIR,—The main point which was brought out at the third evening meeting of the Pharmacy League (*C. & D.*, June 8, p. 674) was the difficulty in reconciling the many conflicting interests which either comprise pharmacy or are in competition with it. Mr. Skues in his address sketched an ideal pharmacy modelled largely on the best Continental lines, namely personal control, modern dispensary, day-and-night service, chemical and bacteriological laboratories; but at the same time he could not rule out the sale of photographic materials and toilet goods. Then there is the competition of the co-operative societies, welfare centres, etc.; any attempt at regulated or subsidised pharmacies would come into conflict with their interests, and would be certain to meet with powerful opposition. Then the suggestion of a combine of chemists to do away with the large body of commercial travellers would also mean a conflict of interest with the travellers and with many of the firms they represent. A system of central subsidised pharmacies would mean that one shop in a district would secure all the purely pharmaceutical business, leaving the others in the position of drug stores; it would not be fair to the other pharmacists to subsidise one shop out of the money collected from their registration fees. Although we recognise that conditions in pharmacy are far from satisfactory, I do not see how suggestions such as these are going to improve them. The way to improve pharmacy is to render it possible for the pharmacist to earn his living by practising pharmacy instead of being compelled to keep a general emporium, and so far we have had no really practical method put forward for accomplishing this object.

Yours truly,

IMPROVER (12/6).

SIR,—I should like to state what in my experience is absolutely necessary. Councillors should be men or women who have one shop and are habitually in the business. We could then get on to the second essential, viz., that the qualification and title be reserved to those who have qualified and are therefore solely entitled to it. And third: one man (or woman), one shop. Nothing less than the above will do any good. It can be done.—Yours, etc.,

RETAILER (12/6).

The C. & D. Retail Price List

SIR,—You are to be congratulated on the clarity of your editorial article under the above heading (*C. & D.*, June 8, p. 685). You point out that yours is the only price list based on a correct costing system, and this statement I can verify on comparison with other price lists, which I have found to be more or less haphazard collections of prices. You are also to be congratulated on the fact that you are endeavouring to educate pharmacists up (not down) to a proper costing system, and that you have taken a decisive stand for the maintenance of just prices. In the interests of pharmacy I would suggest that the *C. & D. Price List* be made the standard price list, and that all others be scrapped.—Yours truly,

SCOTIA (12/6).

Employees and Retail Prices

SIR,—In discussing the meeting of the Association of Pharmaceutical Employees, your contributor (*C. & D.*, June 8, p. 672) remarks that if the movement succeeds in standardising wages, it will have a powerful influence in raising the retail price of drugs. On the face of it this would seem to be a natural conclusion, as higher wages increase the cost of production and distribution; but in the retailing of drugs other factors come in which would neutralise the usual results. Drugs and other chemists' goods are sold in all kinds of shops from little general shops to big bazaars, and to compel uniformity it would be necessary for the Association of Pharmaceutical Employees to regulate the wages of all the employees of these shops on the same scale as pharmacy, or to obtain the restriction of the sale of drugs of all kinds to

pharmacists. I know one of these small shops which is run by a manageress, getting perhaps 30s. a week, and a couple of girls of fifteen to sixteen years of age, at about 10s. a week; all kinds of patent medicines and ordinary drugs are sold at prices which make one wonder where the supplies come from. In the case of proprietary articles there is no argument about quality, it is one of price only; with drugs we are able to give our explanation, but the number of these shops in every district has a depreciating effect on prices generally. Pharmacy has a difficulty to face with regard to union regulations which is not shared by any other trade, as far as I am aware; the ultimate distribution of goods to the public is not solely in the hands of pharmacists, and the outsiders cannot be controlled.—Yours faithfully,

UNITRATE (11/6).

Subscribers' Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

A Puzzling Order

The following order, the original of which has been lent us by a subscriber (3/6), entailed a two hours' hunt for the medical practitioner who wrote it. Meanwhile a relative of the patient was expressing his feelings in unflattering terms in our subscriber's pharmacy. The tension was eventually relieved by the appearance of the prescriber and his translation of the missive "after a good minute or two's concentrated effort."

As these lines are an order rather than a prescription, we cannot set them as a Prescription Problem; but we have no doubt that many of our readers will wish to attempt a solution, even though no prize is offered.

The late Mr. Henry Wootton, B.Sc.

Many of us old "Cyanides" regret to have heard of the passing away of our former tutor. As principal of the London College of Pharmacy, Clapham Road, S.W., he filled an important position. His lectures on botany and chemistry were illuminating, and his grasp of analysis appeared to us almost magical. When we were absolutely unable to work out a "salt" according to the tables of Groups 1, 2, 3, etc., we applied to him, and he would clear up the difficulty at once. Organic chemistry was full of trouble for many men, as was also theoretical botany. Here again he showed himself a born teacher. His floral dissection was "great," as was also his knowledge of microscopy. But best of all were his kindly interest in his students and his helpful encouragement. Henry Wootton's work and the school he founded endure because of the thoroughness of his methods and his careful attention to minute details. We "Cyanides" offer our sincerest sympathy to his family. To him in his last years was given the happiness that "looks on duties well performed and days well spent."—E. H. G. Bennett, Framlingham.

Legal Queries

R. S. (31/58).—In the absence of any special agreement an assistant has no legal right to any holiday.

L. O. (14/58).—The custom of the trade is a month's notice on either side, in the absence of any agreement.

J. B. (13/58).—Dutiable proprietary medicines may be sold unstamped only by vendors who have served what is known as a regular apprenticeship. In any case of doubt the production of the indentures, duly endorsed, would no doubt be required.

Dispensing Notes

Amidopyrin and Aspirin

H. H. (14/6) has had difficulty with the following prescription. In cachet form, he states, the cachets become holed, and powders wrapped in grease-proof paper become wet and caked.

Amidopyrin. ...	...	...	gr. xlv.
Caffein. et sodii benz. ...	...	...	gr. xlv.
Ac. acetylsalicyl. ...	...	...	gr. xxx.

[When amidopyrin is mixed with aspirin on paper with a spatula it forms a sticky damp mass. Phenazone also is incompatible in the same way. Both become yellowish in colour with an acetous odour. This would be a sufficient explanation of the holes made in the cachets after filling them with the mixture. There appears to be no reaction with caffeine. et sodii benz. Apparently there is no method of preventing the decomposition, as if diluted with an inert powder the reaction must take place. We do not know that anything dangerous is produced—we think it quite harmless. We suggest making a larger cachet using talc. Mix the aspirin and an equal quantity of talc or lactose. Mix the other two ingredients, and put them in the cachets separately, without mixing or rubbing together. The reaction may be delayed for some days.]

An Unusual Lotion

J. J. D. (1/3) sends us the following prescription for a lotion "for the scalp and face." He states that a solution is impossible, and asks how the lotion should be prepared..

Ac. salicyl. ...	...	...	gr. xv.
Hydrarg. perchlor. ...	...	...	gr. i.
Glycerin ...	...	...	℥i.
Aq. dest. ...	...	...	℥vii.
Mitte	℥vi.		

[The prescription is somewhat unusual. A similar one is used for the scalp by dermatologists; this is as follows: Mercuric chloride 3 grains, alcohol 90 per cent., 1 drachm, oil of turpentine to 1 ounce. The strength of the mercuric chloride is three times that of your prescription. This preparation must be well shaken. We suggest that this lotion, with the addition of ac. salicyl. 15 grains would be more in accordance with common usage. The directions "for the scalp and face," however, rather rule this out in some cases. The prescription, with water, is not too strong for the purpose intended, and as the acid floats on the top and is not easily distributable when used, a small quantity of tincture of quillaia, or mucilage of tragacanth improves it. Use 2 drachms of tr. quillaia or 2 ounces of mucilage of tragacanth.]

Light or Heavy Magnesium Carbonate?

J. A. M. (28/2) writes as follows: "Will you please tell me the correct method of dispensing the following prescription":—

Alumin. hydrox. ...	...	...	℥iv.
Magnes. carb. ...	...	...	℥ii.
Ess. menth. pip. ...	...	...	℥ss.
Aquam ...	...	...	ad ℥viii.

"Please say whether magnes. carb. lev. or magnes. carb. pond. is indicated, and is it necessary to suspend the mixture?"

[We think the suspension of aluminium hydroxide is improved by using magnes. carb. levis. It is usual to dispense ponderosa for most ordinary mixtures as the levis is too bulky. It is customary to use levis for mist. alba, and a custom sanctioned for such a long period of years is obligatory in addition to the fact that the B.P.C. requires it. No mucilage should be used, and in this respect the mist. alba of the B.P.C. might be considered a model.]

Olive Oil and Lime Water

H. K. W. (8/3) asks for a satisfactory method of dispensing the following prescription. He states that without the menthol a satisfactory cream is obtained, but the menthol seems to prevent all the lime water being absorbed. The

menthol, he adds, was dissolved in the oil and the product emulsified until the last addition of lime water.

Menthol ...	...	...	gr. x.
Calamine ...	...	...	gr. xxxv.
Lanoline ...	...	...	℥ss.
Liq. calcis ...	...	...	℥iv.
Ol. olivae ...	...	...	ad ℥i.

[We have made this preparation as follows, obtaining a perfect product:—Rub down the menthol, calamine, lanoline and 3 ounces of olive oil in a warm mortar, and add the lime water gradually. Make up to 8 fluid ounces with olive oil. Your difficulty probably arises because the olive oil is too fresh. It is best prepared with an olive oil containing some free fatty acids. A good second rate olive oil is the most suitable for the purpose.]

Tracing a "Fishy" Taste

A. E. H. (15/2) dispensed a mixture containing sodium citrate 10 grains, and made up to two drachms with mist. magnes. hydrox. This was mixed with milk for the dose. The doctor stated that a distinct "fishy" odour developed when the draught was mixed, and the patient was unable to take it.

[We have tasted several samples of mist. magnes. hydrox., and the peculiar alkaline taste is deceiving. It is like nothing else. When sodium citrate is dissolved in it the additional taste is momentarily fishy. We do not find that it develops, or that it persists in the mouth long. Tartrates, etc., precipitate soluble magnesium salts, but citrates appear to have no action. The sodium citrate remains unchanged, therefore, and has a definite action on the milk when mixed together. Sodium citrate was used very largely for infant feeding until quite recently, because of its action on the calcium content of the milk. When added to milk 1, 2 up to 5 grains to the ounce, combination takes place, and rennet has no coagulating effect. A favourite experiment used to be shown to medical students by incubating rennet, milk, and different quantities of sodium citrate—the larger the amount per ounce, say 5 grains, made the milk almost translucent, and less amounts translucent to a lesser degree. But 1 grain prevents coagulation by rennet. The milk therefore became flocculent in the baby's stomach and more easily digested. Sodium citrate is also used for blood transfusion, as it combines with the calcium salts of the blood and delays the action of the fibrin ferment, and lowers the rate of clotting. This has nothing to do with the fishy taste, but may explain that a profound change has taken place, calcium citrate being formed and the caseinogen molecules broken down.]

A Colour Problem

M. M. (21/5) sends the following prescription which was made up by several chemists, the mixture having different colours on each occasion. First it was pink, then yellow, then buff, and finally orange.

Bism. sal. ...	...	...	aa. ℥ij.
Salol. ...	...	...	℥ii.
Tr. opii ...	...	...	℥ 24
Tr. hyosc. ...	...	...	℥iv.
Tr. catechu ...	...	...	℥iiij.
Aq. cinnam. ...	...	...	ad ℥vj.

[This mixture should not vary so much as you say in your letter. The object of the B.P. is to provide standard galenicals. If the 1914 tinctures had been used instead of the 1932 there should be no radical difference in appearance. The correct method to dispense this mixture is to rub down the salol gently to a fine powder, mix with the bismuth salicylate, add and mix intimately pulv. tragac. co. 1½ drachms. To the powders in a mortar add 2 ounces of cinnamon water and after mixing put into the bottle. Now add the tinctures and make up to 6 ounces with cinnamon water. In explanation of the first chemist's pink colour and light sediment half way up the bottle, bismuth salicylate has been sold with varying densities (just as we often find bismuth carbonate), and it is a well-known occurrence to get pink salicylates although they are made now so pure that if kept properly they do not change colour.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. L. C. (3/65).—HENNA DYES.—Compound hennas are prepared by combining henna with dyes of the rastick type. Formulas for dark brown and black are as follows:—

	Dark Brown	Black
Henna ...	100	100
Pyrogallol ...	10	15
Copper sulphate ...	8	10
Sienna ...	10	10
Lamp black ...	5	20

B. P. (5/65).—PILE OINTMENT.—The following is the formula to which you refer. It appears in *The Chemist and Druggist Diary*, 1922:—

Pile Remedy, P.F. 134

Pulv. ac. borici ...	lb. j. 3vj.
Pulv. gallæ ...	lb. vij.
Pulv. opii ...	3xv.
Ext. hamam. dest. ...	3lx.
Ol. origani ...	3viiss.
Lanolini ...	lb. xvij. 3iv.
Paraff. mollis ...	lb. xxvij. 3xij.
Paraff. dur. ...	lb. ij.

J. J. M. (2/35).—STRAW HAT VARNISH.—For stiffening straw hats a varnish such as the following is generally employed:—

Shellac ...	15 oz.
Colophony ...	25 oz.
Spirit ...	60 oz.

W. W. (20/35).—ROSE FERTILISER.—Tonk's artificial fertiliser has a reputation among rose growers. Formulas are given below:—

I	
Potassium nitrate ...	10 lb.
Superphosphate ...	12 lb.
Iron sulphate ...	1 lb.
Magnesium sulphate ...	2 lb.
Gypsum ...	8 lb.

Apply 4 oz. per square yard.

II	
Superphosphate ...	57 parts
Fine bone meal ...	96 parts
Potassium sulphate ...	38 parts
Ammonium sulphate ...	28 parts
Ferric oxide ...	5 parts

Dig in a small quantity round the roots and repeat in five or six weeks' time.

A. S. (14/35).—NON-SLIP FLOOR POLISH.—The following is a formula for non-slip floor polish:—

Shellac ...	5 oz.
Gum copal ...	1 oz.
Venice turpentine ...	1 oz.
Methylated spirit ...	to 26 oz.

T. W. (18/55).—HAND CREAM.—The following are the formulas for hand cream used in the Leeds Infirmary:—

No. 1 Pink	No. 2 White
Tragacanth ... 160 gr.	Tragacanth ... 160 gr.
Alcohol ... 1 fl. oz.	Alcohol ... 1 fl. oz.
Glycerin ... 3 fl. oz.	Glycerin ... 3 fl. oz.
Menthol ... 30 gr.	Zinc sulphate ... 30 gr.
Compound tincture of lavender ... 120 minims	Nut oil ... 3 fl. oz.
Water ... to 30 fl. oz.	Tincture of benzoin ... 60 minims
	Oil of lemon ... 60 minims
	Water ... to 30 fl. oz.

J. B. J. (5/65).—WATER SOFTENER.—For domestic use preparations for softening water are mainly borax or sodium carbonate, or mixtures of the two salts, with the addition of perfume. These chemicals precipitate the dissolved salts which cause the "hardness" of the water and enable it to lather well with soap. The following are representative formulas:—

I	II
Sodium carbonate, dried 4 parts	Sodium carbonate, dried 95 parts
Slaked lime in powder ... 1 part	Ammonium carbonate, powdered 5 parts
Perfume ... a sufficiency	Perfume ... a sufficiency

For drinking water artificial zeolites (hydrated aluminosilicates of soda) are used.

H. F. (29/35).—BRILLIANTINE.—Formulas for separable and non-separable brilliantines are as follows:—

I Separable	II Non-separable
Ol. ricini ... 3ij.	Ac. oleic. ... 3ij.
Ol. amygd. ... 3iv.	Alcohol isopropyl. ... 3vj.
Ol. rosæ ger. ... 3xv.	Ol. neroli ... 3x.
Alcohol isopropyl. ad 3vj.	Ol. limonis ... 3v.
	Ol. bergamot. ... 3x.

B. L. (28/35).—GLYCERIN AND ROSE WATER JELLY.—The following recipe is given in "Pharmaceutical Formulas," Vol. II:—

Tragacanth, in powder ...	3ij.
Oil of rose geranium ...	3xv.
Rectified spirit ...	3ss.
Glycerin ...	3ij.
Water ...	3vj.

Dissolve the oil of rose geranium in the rectified spirit and add to the tragacanth contained in a mortar; mix well, then add all at once the glycerin and water, previously mixed, and stir until uniform.

For a preparation such as you have in mind you could use rose water in place of plain water and, if necessary, a few drops of synthetic otto of rose for the oil of rose geranium.

S. C. L. (16/38).—CLEANING PIANO KEYS.—Ivory piano keys can be bleached by the undermentioned process:—First wash the keys with a warm solution of sodium carbonate (5 per cent.), to remove dirt and grease. Then sponge with clean water and allow to dry. The keys are now bleached with ammoniated solution of hydrogen peroxide; or with chlorinated lime mixed with a little water to form a paste, which is left on the keys for a few hours and then removed by washing with water.

T. B. (15/58).—DISCOVERY OF ACETYL-SALICYLIC ACID.—The discovery of acetyl-salicylic acid was investigated during a law case in the Chancery Division in London in 1905. It was then stated that the discovery was made by Kraut, a German chemist, in 1869, and Mr. Justice Joyce in giving judgment, accepted the statement. It is possible that a prior discovery, of which no record exists, may have been made of this substance.

W. Y. O. (3/65).—VALUE OF GOODWILL.—While the amount of profit is helpful, it is in itself insufficient to give a complete answer to the question. The net profit should be taken into account with the turnover, otherwise it is difficult to confirm that your figure is correct from an actuarial point of view. In our opinion, the goodwill of a business of twenty years' standing should be worth two to three years' purchase of net profit at present-day rate, but without further details it is difficult to say whether it should be in fact two or three years.

Retrospect of Fifty Years Ago

Reprinted from
"The Chemist and Druggist," June 15, 1885

The Quinine Market

The remarks we put forward last month have been confirmed by a further fall in prices; Howard's to 3s. 6d. per oz. bottle; foreign makes, 2s. 10d. to 3s. per oz. in tins. Competition in the article continues very keen, but even at the lower rates very little business is doing. . . . It is just eight years since quinine stood at 16s. 6d. per oz., but then the stock of bark had reached a very low ebb; in fact, at the end of the year 1876 the total stock in London was only 3,462 packages, and the year's arrival had been only 20,734 packages; but at the present time the arrivals are far more considerable, and must tend to keep prices of quinine low for some time to come. When shipments of bark from Ceylon show any marked falling off, the prices of quinine here may be expected to advance. [Prices became much lower in the 'nineties.—EDITOR.]

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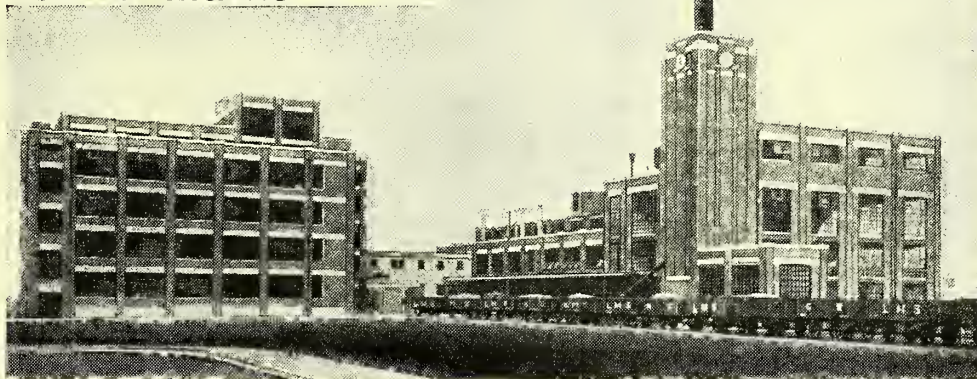
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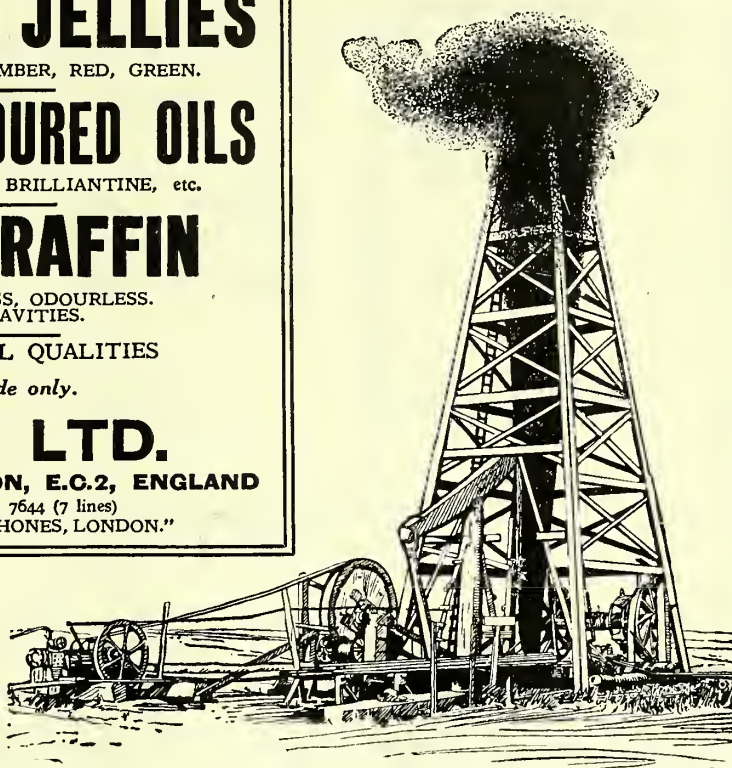
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Dr. Jaillet's PEPTO-FER	Sold throughout the world as a tonic for convalescents and sufferers from all kinds of anæmia.
RIGOLLOT'S MUSTARD LEAVES	Have long been universally famous. They are mustard plasters of exceptional strength and quality.
RIGOLLOT'S MUSTARD (for veterinary purposes)	Used in the French Army, and approved by the veterinary schools of England, France, Belgium, Switzerland and Italy.

All enquiries (except for Pepto-Fer) to:—

GUYOT-GUENIN & SON (Dept. C.D.)
59 Southwark Bridge Road, London, S.E.1.

For Pepto-Fer, please write direct to:—

Dept. C.D., DARRASSE FRÈRES,
13 rue Pavée, Paris IV, France.

**TRY A
MASON'S
WINDOW
DISPLAY
AT OUR EXPENSE**

To those customers who allow us the use of their windows we offer 5/- for their opening order for 6 dozen MASON'S EXTRACT OF HERBS (or 10/- for 12 dozen).

The window display is most attractive and perfectly simple and can be fixed up in a couple of minutes

GOOD! IT'S MASON'S

**Apply NEWBALL & MASON LTD.,
NOTTINGHAM**

Awarded Certificate by
The Institute of Hygiene
for Purity—Quality—Merit

LOCARNO

MEDICATED TOILET ROLL

COSTS 33/-
per gross



BRITISH
MADE

SELLS AT 72/-
per gross

Sales restricted
to Chemists

You are sure of repeat orders
by selling the "LOCARNO"
Contains 650 sheets of pure
white sulphite paper

Free delivery in United Kingdom
(Ireland excepted)

Packed in $\frac{1}{2}$ gross cartons

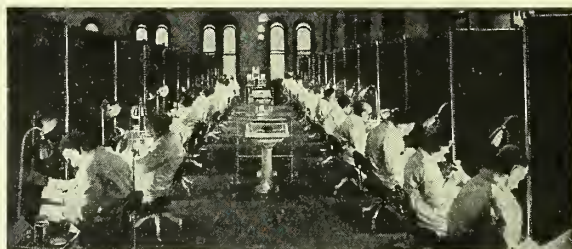
Free sample roll on application

Each Roll 12 oz.

Sole Manufacturers

J. RUTHERFORD & CO. LTD.
VICTORIA PAPER MILLS,
VICTORIA RD., HOLLOWAY, LONDON, N.7

CONTRACTORS TO H.M. GOVERNMENT



A Section of Foot Clinic

CHIROPODY

Our London and Manchester Foot Hospitals treat over 2,000 cases weekly—each student treats a minimum of 500 patients during the term.

Chemists who have opened Chiropody Departments have widened the scope of their business and brought in many new customers, increasing turnover in all sections. Many have equipped their sons or daughters for dignified and profitable careers as qualified Chiropodists, through the four months' full intensive training Course at this School, the largest and most up-to-date in Europe. Exclusively connected with Foot Hospitals, treating over a quarter of a million patients annually, affording unrivalled opportunities for practical training.

New Term starting shortly.

Write for Prospectus

Dept. 90, National School of Chiropody
133 Upper Street, Islington, London, N.1
or to Dept. 90, 28 Bury New Road, Strangeways, MANCHESTER

A New Line in Corn Plasters 'CROCUS' CORN COMFORT

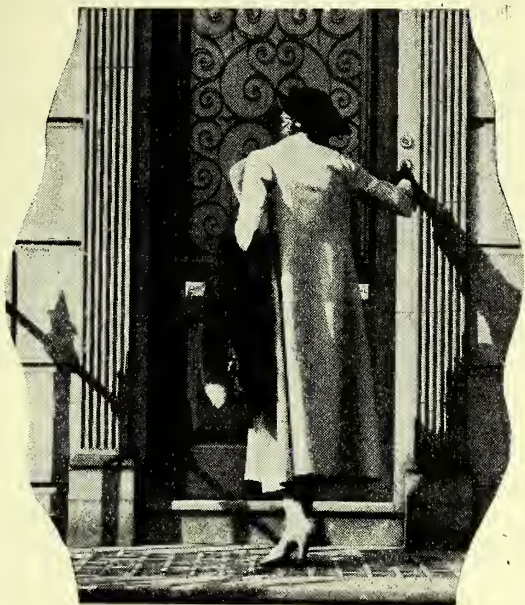


Write for
particulars of
special offer
during this
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ATTRACTIVELY PACKED
IN DECORATED TIN BOXES
CONTAINING 6 PLASTERS
OBTAINABLE FROM YOUR
USUAL WHOLESALE

LIBERAL TERMS

W. MATHER LTD.
MANCHESTER



He may send her to you

The advice of a doctor on the vexed question of a contraceptive is likely to be sought with increasing frequency. Whatever advice is given will be followed implicitly. That is why we hope you will stock Ortho-Gynol.

Demand is increasing and reports are uniformly favourable. Ortho-Gynol is the result of two years of clinical research. Ever since it was introduced to the medical profession and the trade, this dependable contraceptive has been distributed only through professional channels and qualified chemists.

Ortho-Gynol is effective from the moment of application for at least six to eight hours. It is aesthetically acceptable to the large majority; it does not deteriorate in tropical climates; and it is also independent of the variables—temperature, moisture, pressure.

Write for trade terms

RETAIL PRICES: 4/6 per box of 6 complete individual units (each with disposable nozzle) package C
5/- per bulk tube (sufficient for 15 - 20 applications, with nozzle) package A
4/- per refill tube (sufficient for 20 applications) package B

Johnson & Johnson
(OF BRITAIN) LIMITED
SLOUGH · BUCKS

ortho-gynol

THE DEPENDABLE CONTRACEPTIVE

THOMAS HANCOCK



Founded the Rubber
Manufacturing Industry

Long experience, combined with modern manufacturing methods, continue to make

HANCOCK'S THE HALL-MARK OF QUALITY

Chemists and Druggists can be certain when supplying Hancock's goods that they are securing a satisfied customer. 115 years of experience in the rubber manufacturing industry is behind each article. Courteous and individual attention is assured. Makers of

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HOT WATER BOTTLES, BED SHEETING, DRAINAGE TUBING
and GENERAL RUBBER SURGICAL GOODS**

Please write for name of stockist to:

JAMES LYNE HANCOCK, LTD.

263 Goswell Road, London, E.C.1

The first rubber factory in the world.

Clerkenwell 4410-4412

Founded 1820

Masticator, Isling, London

Advertised from January to
December and never fails to
give satisfaction. Also
SU-CAN Soluble for instant
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From your Wholesale House, please.

ROBINSON & SONS LTD. CHESTERFIELD & LONDON



THE

"MATER"

CLINICAL REGD.

The position of the Mercury column is at once perfectly plain. Red markings above 98.4.

ALL TYPES OF CLINICAL AND OTHER THERMOMETERS

**PERKEN, SON
& CO. LTD.**

(ESTABLISHED 1852)

Price List on Application:—

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Telephone: 0724 Holborn

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ROBERT BAILEY & SON LTD.
SURGICAL DRESSING MANUFACTURERSDysart Street, Great Moor,
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'Phone: GREAT MOOR 3006 (2 lines)
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SANITARY
TOWELSThe preference
of women
for Southalls
Sanitary Towels
brings steady
sales all the
year round.The "ORIGINAL" and most
popular.
The "CELTEX" soluble, easily
disposed of.
The "K" made entirely of absorbent
cotton wool, with very soft cover.
The "COMPRESSED" for travel-
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NOW BRITISH MADE

WAGNER'S DRY BOTTLE CAPS
BEST IN QUALITY & APPEARANCE**R. V. WAGNER**

33 BROOKE ST., LONDON, E.C.1 Tel. Holborn 5690

"MOSANS"

Non-Greasy, Odourless

QUININE PESSARIES**15/-**
per dozen
boxesORDER THROUGH ANY WHOLESALER
or from**MOSANS LABORATORIES,**
15 Elmcourt Road, S.E.27**Corks**OF EVERY
DESCRIPTIONSend us your Enquiries,
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WHOLESALE & EXPORT

C. OLLEY & SONS, LTD.

ESTABLISHED 1844

Camperdown St., and Gt. Alie St., London, E.1

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METALLIC CAPSULES

for all purposes

The Tonkin Metallic Capsule Co.

Proprietors: C. Olley & Sons, Ltd.

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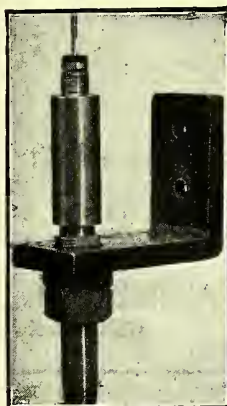


**ROBINSONS
OF CHESTERFIELD
FOR BOXES!**

ROUND-SQUARE & FOLDING

LONDON: 168, OLD STREET, E.C.1.

CHESTERFIELD: WHEAT BRIDGE MILLS



SPRINKLER BOTTLES

Automatic Rinsing

Can be connected to the town's water supply by metal or india rubber hose pipe.

By merely passing the mouth of the bottle over the jet and pressing the bottle downwards water is automatically sprayed into the bottle. The water completely drains away from the bottle as it is withdrawn.

Further particulars may be obtained from the makers:—

**The THOMAS HILL
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9 PARK LANE, STEPNEY, HULL

THE SOUTH OF ENGLAND COLLEGE OF PHARMACY

Principal—H. LUCAS, Ph.C., F.C.S.

"THE SCHOOL FOR SUCCESS"

EXAMINATION RESULTS

At the April Examinations in London 21 students from this College were successful, representing over 60% of the presentation

SUCH RESULTS SPEAK FOR THEMSELVES!

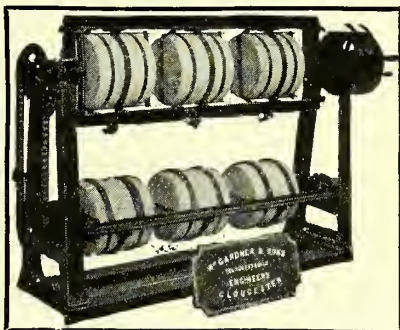
New Courses for Parts I and II start on October 7th.

Revision Courses for October Exams. start on July 22nd.

For particulars apply THE PRINCIPAL—

186 CLAPHAM ROAD, LONDON, S.W.9.

**GRIND
YOUR
OWN
FINE**



CHEMICALS WITH GARDNER'S BALL OR PEBBLE MILLS

These Gardner Mills will reduce wet or dry materials to any fineness desired, without attention and on very low power. They are made with plain metal, lined with Porcelain, Silica or Rubber, or with Porcelain Pots, Steel or Porcelain Balls or with Pebbles.

Various sizes are made, in one or more cylinders, for reducing and mixing any number of different materials. A six-chambered Porcelain pot mill for fine Chemical powders, paste and solutions is shown above. Advice on correct plant, gratis and with pleasure.

WM. GARDNER & SONS (Gloucester) LTD.

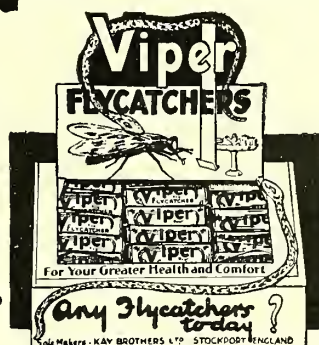
Phone: 2288
(2 lines).

BRISTOL RD., GLOUCESTER

Grams: "Gardner,
Gloucester."

London Office: 19 Gray's Inn Chambers, 20 High Holborn, W.C.1.
Phone: Chancery 7347

Putting
the
question



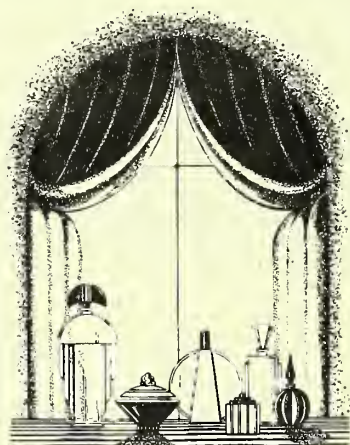
VIPER patent leakproof Flycatchers are always factory-fresh and always immaculately clean. Each has a wire hanger and a positive drip-preventer. Three widths *2 in., 3 in. and 4 in. Outers of 3 dozen.

* Also in cartons of 3 to retail at 3d. ("triplets").

RADIO talks, lectures and Press articles on flyborne disease—your all-powerful allies in selling VIPER Flycatchers—spring to aid your sales when this vivid display box puts its question at the psychological moment—*while your customer stands at your counter.*

From Wholesalers or write the

Patentees & **KAY BROTHERS LTD.**
Sole Makers: **St. Petersgate, STOCKPORT**



*Designers & Makers
of
Quality Glassware
for
Perfumery.*

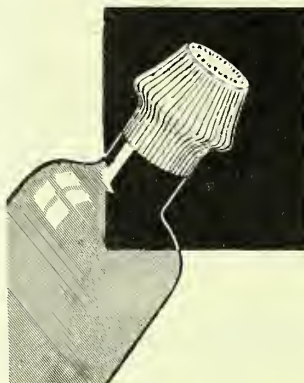
ESTABLISHED 1828

**WOOD BROS. GLASS CO.
LIMITED**

BARNSELY

ENGLAND

**Fluted Bottle Caps
of Pure Aluminium
for Dispensing Chemists**



This cap replaces the old paper cap. It is more attractive, more hygienic, and quicker to apply.

Sole Concessionaires for U.K.:

S. MAW, SON & SONS LTD., London, E.C.1

Sole concessions granted to one Wholesale Druggist Sundries House of high standing in every country of the world. Applications welcomed.

Patentees:

ANDERSEN & BRUUN'S FABRIKER, Ltd.
COPENHAGEN F. DENMARK

Cables: Kapsel, Copenhagen

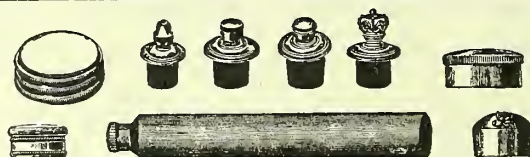
**TAPERED, PYRAMID, DOMED AND
FLANGE CORKS
COMPOSITION AND BAKELITE
STOPPERS**

THE MOST COMPETITIVE MANUFACTURERS IN
THIS COUNTRY

MUNDET CORK PRODUCTS, LTD.
12/18 ABBEY ST., TOWER BRIDGE ROAD, S.E.1

Telegrams:
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FOR BRITISH MADE METAL SMALL-
WARES OF EVERY DESCRIPTION
GET IN TOUCH WITH

L. ELBOZ & SON
MANUFACTURERS, MERCHANTS & AGENTS
"RAYON D'OR" WORKS

Tel.: Brixton 3456

94 FERNDENE ROAD,
LONDON, S.E.24



72.8%

PROFIT ON COST

Sherley's Tonic and Condition Powders

CUT THIS OUT FOR REFERENCE

RETAIL	TRADE
6d. 9 Powders	4/- per dozen 3/9 per dozen for 2 dozen or over, or for any quantity included in £2 parcels
1'3 24 Powders	10/- per dozen 9/4½ per doz. for 1 doz. or over, or for any quantity included in £2 parcels
2'6 54 Powders	20/- per dozen 18/9 per doz. for 1 doz. or over, or for any quantity included in £2 parcels

It will pay you to study carefully the excellent terms obtainable on SHERLEY'S Tonic and Condition Powders and see how much you gain.

There is always a big demand for this quick and ready seller.

21½% Discount on £2 Parcels Plus a further 5% for Window Display

A £2 parcel of Sherley's Tonic and Condition Powders shows a profit on cost of no less than 72.8%. You can make up a £2 order consisting entirely of Tonic and Condition Powders, or an assorted parcel of any of our foods and medicines which retail at prices not exceeding 6/-. Moreover, all Tonic and Condition Powders included in £2 parcels are invoiced at the special quantity prices quoted alongside, irrespective of the quantity ordered.

Thus the profit on Tonic and Condition Powders, when forming part of a £2 parcel, is still at the rate of 72.8% on outlay.

Make up a £2 parcel today! An excellent range of Show Material is available and orders may be booked direct or through your usual wholesaler.

SHERLEY'S

Tonic and Condition Powders

In 3 strengths for small, medium and large dogs.

A. F. Sherley & Co., Ltd., 18 Marshalsea Road, London, S.E.1



Stocked in both designs for Epsom and Glauber Salts in chocolate, blue and green on white.



- PACKED DRUGS MEAN QUICK SERVICE ●
- QUICK SERVICE MEANS GOOD RETURNS ●

S & S PRINTED CARTONS WILL HELP YOU TO INCREASE YOUR SALES

Write for samples and prices—

SUTTLEY & SILVERLOCK LTD.

LABEL DEPARTMENT

ANDOVER

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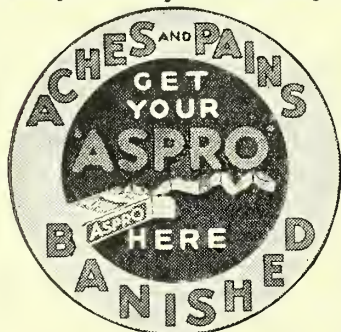
HANTS

THIS DISPLAY SELLS 'ASPRO'



& BRINGS CUSTOMERS INTO YOUR SHOP

The window display illustrated above definitely sells 'ASPRO'. It connects up with the largest advertising campaign of its kind in the world. When you display it, you get the benefit of 'ASPRO' advertising just as though you paid for the advertisements yourself—the non-displayer loses customers and loses profit. The present change of the weather conditions is causing a great demand for 'ASPRO'. We suggest, therefore, that if you have an 'ASPRO' display you show it. If you have not one—then write us to-day, and we will send the above set by return of post. Do not forget, either, the 'ASPRO' service of Chemists' envelopes and bags. They are good business pullers—they save you money. Let us assure you here that our sales activities are being vigorously pushed. House-to-house broadsheeting is in operation, backed by heavy national advertising. We advertise 'ASPRO' continuously. If you keep on displaying 'ASPRO' advertising material, 'ASPRO' customers will keep on coming to you.



AN 'ASPRO' WINDOW STICKER

'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. Pty. Ltd.

('ASPRO' DEPT.)

SLOUGH, BUCKS.

Phone: Slough 608

Made by ASPRO LTD., SLOUGH, England

No proprietary right is claimed in the method of manufacture or the formula.



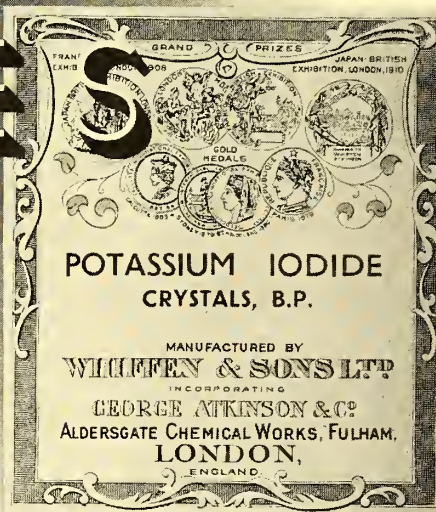
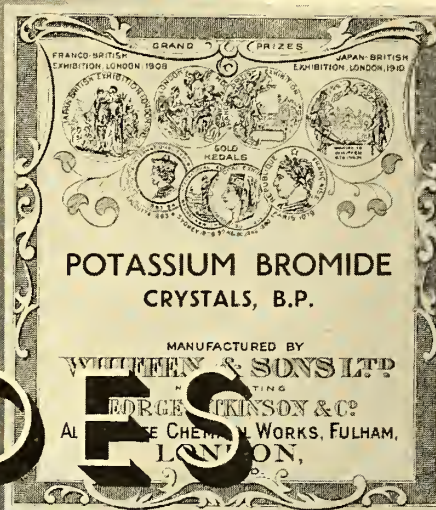
WHIFFEN

ALKALOIDS AND FINE CHEMICALS

BROMIDES

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DRUG GRINDING, ESSENTIAL OILS, VERMILION



WHIFFEN & SONS LIMITED, FULHAM, LONDON, S.W.6

TELEGRAMS: WHIFFEN, LONDON

TELEPHONE: FULHAM 0037

INCORPORATING GEORGE ATKINSON & COMPANY

ESTAB. 1654

A new packing for LYSOL B.D.H.



Lysol B.D.H.
in its modernised style of
packing is indisputably
the product for the high-
class pharmacy.

P.A.T.A. Prices

4 fl. oz.	1/-	7/-
8 "	1/9	12/-
16 "	3/-	20/-
32 "	5/-	32/6

(with aluminium measure)

Special terms for quantities with
display

Also, "13 to the dozen" offer
open till Aug. 31st.

Write for particulars.

A product of THE BRITISH DRUG HOUSES LTD., LONDON.N.1



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is in-
serted in every copy of
The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

JUNE 15,
1935

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are
PREPAID, so that remittance
must accompany instructions in
each case. If it be necessary
to telephone or telegraph an
urgent announcement this may
be done, provided the money is
telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL, PREMISES TO LET** and
FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for
SALE and AGENCIES—6/- for 50 words; every additional 10 words
or less, 6d. (Box No., 1/- extra.)

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d.
(Box No., 1/- extra.)

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LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announce-
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THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2
Telephone: Central 6565 (8 lines). Telegrams: "Chemicus, Estrand, London."

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must reach us
not later than

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All advertisements intended for
insertion in this Supplement

ORRIDGE & CO. 56 LUDGATE HILL, E.C.4

ESTABLISHED 1846

Telephone Nos.: CITY 2283 & 7477

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

1.—WIMBLEDON.—Good-class Business for immediate disposal; present returns £27 weekly; good flat over; stock and fixtures worth about £450; first reasonable offer.

2.—CLAPHAM.—Main-road double-fronted shop; very old-established; returns under management last year £1,019; net profit to working proprietor would be £334 on this figure; low rent and rates; long lease; stock and fixtures worth £650; price £700 or valuation terms entertained.

3.—LONDON, S.E.—Very old-established main-road Business offering scope for increase under modern management; returns 1934 £1,716, of which £354 is from Optics; flat of 4 rooms over; rent £100; new 21 years' lease; stock and fixtures worth about £900; price £1,200 or valuation terms.

4.—KENT.—Medium and good-class Business in main road; established 1919; returns £1,147; gross profit £472; rent £65, which includes living accommodation; long lease; price asked £750 or offer.

5.—SURREY.—Middle-class cash Business; established 3½ years; returns last year £1,456; net profit approximately £400; stock and fixtures worth £750; living accommodation and garden; room for garage; rent £98; long lease; price required £1,100 or valuation terms entertained.

6.—LONDON, E.C.—Old-established main-road Business; present returns £55 weekly; gross profit 40 per cent.; rent and rates £250; held on lease; price £1,400 or valuation terms entertained.

7.—HAYES (NEAR).—Medium-class Business; established 1932; returns last year under management £1,407; scope for increase; rent £52; low rates; lock-up shop; Vendor would build flat over if required; stock and fixtures worth about £450; price to be arranged.

8.—NORTH LONDON.—Old-established main-road Business; N.H.I. 11,000 to 12,000 scripts per annum; in present hands 41 years; returns 1934 £1,477; gross profit 36 per cent.; well-fitted shop; stock and fixtures worth £850; rent £100; sublet £65; price asked £1,200 or valuation terms entertained.

9.—DULWICH.—General Retail Business; established 54 years and until recently conducted as a Drug Store; net profit including remuneration from Post Office, about £450 per annum; 8-roomed house; rent £75, rising to £80; long lease; rates £28; price £1,250, £1,000 down and balance by instalments.

10.—WEST NORWOOD.—Middle-class main-road Business; double-fronted modern lock-up shop; takings about £20 weekly under manage-

ment; rent £75; 21 years' lease; stock and fixtures worth about £475; price about £350.

11.—ESSEX.—Good-class Retail and Dispensing Business with Optical connection; returns approach £2,800 per annum; Chartered Accountant's figures; attractive shop; stock and fixtures worth about £1,150; new Lease will be granted; terms, valuation of stock and fixtures plus an agreed sum for Goodwill.

12.—SUSSEX.—Very old-established Seaside Business; no N.H.I.; very little photo; good opening for Optics; returns last year £1,576; this year shows increase; mahogany fittings; good stock; main road near Sea; held on Lease; price £1,250.

13.—WEST END.—General Retail and Photographic Business; returns last year £1,580 approximately, now increasing; business conducted under management; single fronted lock-up premises; the value of stock and fittings only (about £750) would be accepted.

14.—KENT.—Middle and Working-class Business; established 1909; steady returns, last years £1,425; gross profit one-third; main-road shop with living accommodation; rent £90; 21 years' lease; domestic reasons necessitate early sale.

15.—ESSEX.—Family Retail Business in healthy locality; returns for year ended May 8th, £1,363 with gross profit £471 and net profit £335; audited Accounts; flat over shop; rent £100; long Lease; stock and fixtures worth about £500; price to be arranged.

16.—WORCESTERSHIRE.—Old-established Business for sale on account of ill-health and vendor wishing to retire; returns last year £1,527; gross profit 38 per cent. to 40 per cent.; very good house in picturesque surroundings; new lease will be granted at £100; or the property may be purchased; price required, £200 for goodwill, plus stock and fixtures at valuation.

17.—CORNISH COAST.—Good Middle-class Business with small Optical connection; returns to February 1935, £1,825 plus £360 from Optical; rent £130; sublet £52; long Lease; valuation terms entertained; Optical need not be taken over unless required.

18.—KENT COAST.—Good-class Family Business offering scope under modern management; good house and garden; new Lease at £105 or property may be purchased; returns last year £1,553; net profit £400; stock and fixtures worth £1,000; price about £1,300; Vendor retiring.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

ERNEST J. GEORGE & Co.

Bank Chambers, 329 High Holborn, London,
Telephone Nos. : Holborn 7406 & 7407 (2 lines) W.C.1
-15 Bridge Street, Walsall Telephone : Walsall 3774

Lancashire and District Representative : Mr. E. BROWN, 21 Devonport Road, Hazel Grove, Stockport. Telephone : Great Moor 2405

Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) YORKSHIRE.—Excellent profit-earning business, with up-to-date house, including large garden and garage; increasing turnover, the receipts for last financial year being approximately £2,500; certified net profit £700; sub-post office; large N.H.I.; property can be purchased, or leased at £104 per annum; rates about £32; no opposition; reasonable purchase price, consistent with value; bankers' references required.

(C2) KINGSTON-ON-THAMES (NEAR).—Excellent profit-earning cash business with definite opportunities for further development; turnover approximately £2,300 per annum; net profit upwards of £600; reasonable rental including living accommodation; price by negotiation.

(C3) LONDON, N.W. (DEATH VACANCY).—Established main-road business, showing returns upwards of £1,600 per annum; gross profit approximately 33½ per cent.; extensive living accommodation, at present sublet as flats, leaving a low net rental charge on the business; excellent scope for further increase; price for quick sale £1,250, including stock and fixtures estimated at more than £1,000.

(C4) LONDON, S.W.—Attractive and very well-kept pharmacy for disposal owing to retirement following lengthy illness; in present hands 30 years; turnover for last financial year £2,000 approximately; audited figures; very large N.H.I.; definite scope for increase; good living accommodation, in first-class condition throughout; reasonable rental; easy hours; price by arrangement.

(C5) FOREST GATE.—Established retail business, with little opposition; present returns approximately £1,330 per annum; good scope for further increase; rent £75; long lease; flat above, which can be rented separately, if required; reasonable purchase price; genuine reasons for selling.

(C6) RAYNES PARK (NEAR).—Progressive up-to-date pharmacy, with good self-contained house, including garden; increasing returns, at present averaging approximately £1,200 per annum; gross profit about 40 per cent.; rent and rates £114; no near opposition; good reason for selling; price £750, but will accept first reasonable offer, as a quick sale is desired.

(C7) DERBY.—Drug Store, in same hands for past 25 years; net profit for last financial year, £220; negligible charge for rent and rates; good scope for increase; reasonable purchase price; owner retiring.

(C8) SLOUGH (NEAR).—Progressive modern pharmacy with good flat above; steadily increasing returns, at present averaging £25/£30 per week; excellent prospects; no near opposition; reasonable purchase price; a quick sale is desired, as the proprietor has recently agreed to purchase a much larger business; well recommended.

(C9) WILLESDEN (NEAR).—Excellent opportunity for chemist with limited capital to acquire established lock-up pharmacy, with a present earning capacity of approximately £330 per annum; turnover for 1934-35, £1,133; rent and rates £52; approximately £350 will purchase, part of which might remain, if necessary; stock estimated at £250, could be adjusted to suit purchaser's requirements; full details upon application.

(C10) WORCESTERSHIRE.—Old-established family and dispensing business, with abundant scope for increase if modernised; present returns upwards of £1,500 per annum; reasonable rental, or property could be purchased; good living accommodation; £200 is asked for goodwill, plus the value of stock and fixtures (stock estimated at £900).

(C11) ACTON.—Semi-main road medium class business, for some time past under management; good scope for developing a substantial family connection under personal proprietorship; two years ago the business was showing a net profit in the region of £400 per annum, since when it has not had the advantage of personal attention; value of stock and fixtures, plus a nominal goodwill, accepted for quick sale.

(C12) BURNT OAK (NEAR).—Increasing lock-up pharmacy, with particularly good opportunities for optics; large building development also in course of process; turnover for 1934 financial year, £1,030; double-fronted shop; low rental; price £650, or near offer; stock and fixtures stated to be worth £500.

(C13) LONDON, NORTH.—Drug store, old-established, occupying prominent position in busy main thoroughfare; in present hands upwards of 30 years; turnover for last financial year, £1,173; excellent scope for substantial increase under qualified proprietorship; property could be purchased, or leased at a reasonable rental; living accommodation; reasonable purchase price; owner retiring.

(C14) CARSHALTON (NEAR).—Good profit-earning business with scope for further increase; turnover for last financial year, £1,456; gross profit £543; net profit about £385; living accommodation, with garden; low rental; genuine reason for selling; further details upon application.

(C15) COVENTRY.—Progressive modern pharmacy with good living accommodation; turnover for last financial year, £1,172; good scope for increase; rent and rates £106 per annum; price £600, including stock £300.

(C16) HARROW (NEAR).—Progressive middle-class business, situated in growing residential area; turnover for 1934 year, £1,950; gross profit about 40 per cent.; present returns approximately £40 per week; six-roomed flat, with private entrance; no near opposition; price about £1,000.

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1.—CORNISH COAST.—Good-class Dispensing Business with Optics; in central position; turnover last year about £2,250, net profit £450 to £500; large shop with flat over; stock and fixtures worth approx. £1,150; price £1,600 or £1,500 without Optics.

2.—HERTS.—Good Middle-class Cash Retail; in main-road position of important town; returns about £30 weekly; plenty of scope; large shop with house attached; illness compels sale; price £850 or offer; personally recommended.

3.—KENT COAST.—Light General Retail with good Photo connection; returns over £900, increasing; attractive shop, with modern house; excellent stock; price £500 or offer.

4.—KENT (few miles out).—Unopposed Village Business; returns £1,150; net profit £290; rent £65, sublet £48; long lease; stock and fixtures worth £600; price £750 or offer.

5.—CHESHIRE.—Mixed Country Drug Store, with small Optics; under management; returns last year over £850; central position; low rent; price for quick sale £250.

6.—NORTH LONDON.—Sound Middle-class Business, with excellent Panel; returns last year £1,480; neglected, was doing £1,850; owner retiring; well-equipped pharmacy; good position; stock worth £600 price £1,250 or offer; personally recommended.

7.—LONDON (Essex Suburb).—Well-established Light Cash Retail, with good Panel; returns last year £1,631, under manager; main-road position; rent £90; good house; stock and fixtures worth about £700; price £900 or near offer.

8.—LONDON, E. (Death Vacancy).—Sound Profitable Business, under management and steadily increasing; returns £1,379, including £240 N.H.I.; net profit £344; modern fitted shop, good stock; price, with freehold property, £1,725 or offer; £700 mortgage transferable; strongly recommended.

9.—LONDON, S.W.—Well-established Light Suburban Business; under elderly manager; returns about £19 weekly; plenty of scope; good living accommodation; new; 14 years' lease; stock worth £277; price £450 or close offer.

WANTED immediately, about 20 Sound Businesses in or around London, or between London and the South Coast; returning £2,000 per annum upward; must show audited figures; we also have private enquiries for businesses in the Midlands, South-West and West of England and Home Counties, returning about £3,000 per annum.

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BUSINESSES FOR DISPOSAL.

6s. for 50 words or less ; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM (Suburb).—Main bnsy road; single-fronted shop, good house attached; well fitted and heavily stocked; doing about £1,200 per annum, with 8,000 N.H.I.; easily worked; no heavies; middle-class district; good profits; owner left the district and has had to neglect; price £850, or £300 goodwill and fixtures and valuation of stock; energetic man could double. Apply 168/1, Office of this Paper.

HAMPSHIRE COAST.—Opportunity for progressive Pharmacist to acquire middle-class Business; well stocked; house attached; price £475. 167/6, Office of this Paper.

HOVE.—Western Road; main shopping thoroughfare; Double-fronted Shop; new lease available; old-established General Chemists' and Dispensing Business; accountant's figures; moderate price for lease, goodwill and fittings. Day & Sons, Auctioneers, Hove.

KENT COAST.—Established Middle-class Cash Pharmacy; returns £1,040; net profit £335; certified figures; scope for increase; owner has other interests and is prepared to accept £100 for goodwill; s.a.v.; genuine enquiries invited. 163/5, Office of this Paper.

KENT, near London.—Attractive little Business, Dispensing and Photographic; nicely fitted and well stocked; low rent; long lease; present returns exceed £20 weekly; price to be arranged at interview. 167/28, Office of this Paper.

LIVERPOOL.—Chemist's Business for disposal with Post Office attached, in main suburban shopping thoroughfare; rent and rates approximately £120 per annum; takings £18 per week; stock and fixtures at valuation. Further particulars from Parkin S. Booth, Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

LONDON.—Well-positioned Pharmacy with Dental practice (optional); capable of further substantial development; last year's turnover for Pharmacy only was slightly below £2,000; good living accommodation; long lease at reasonable rental; owner retiring after many years in the business. 261/464, Office of this Paper.

LONDON (Central).—In populous district a few doors from world-famous theatre; trade £1,000 under management; good N.H.I.; no near opposition; accountant's figures; genuinely capable of very large increase; present hands 12 years; owner has bought country business and will accept £500 or valuation terms; rent £1 per week on lease. 262/477, Office of this Paper.

LONDON Suburb.—Established Chemist Business in good position; stock and fixtures at valuation; goodwill by agreement; rent £160 on long lease, house sublets for £100; freehold obtainable if desired; turnover £1,500, could be increased. 165/52, Office of this Paper.

MANCHESTER SUBURB.—Modern Cash Pharmacy, on main road, in good-class residential suburb (South); in same hands 24 years; owner entering wholesale; price, business, best offer over £1,000; property £1,000-£1,250; or would let on lease at £2 5s. per week; turnover, approximately £26; Kodak Agency; garage; no opposition. 262/479, Office of this Paper.

MIDLANDS.—Middle-class Business for Sale; turnover approximately £2,000; lock-up shop and storerooms; low rent; £450 plus stock and fixtures; main road position. 165/16, Office of this Paper.

NEAR ILFORD.—Chemist's Business for disposal; heavy N.H.I.; Kodak, Rexall Agencies; turnover £2,500, and increasing; net profit £550; valuable lease; price £1,750 or offer; part can remain on security; genuine opportunity to acquire a sound business if suitable. Reply, Odell, 104 Grove Road, Chadwell Heath, Essex.

NORTHAMPTON.—For immediate disposal, Retail Chemist's Business in Abington Street, Northampton; lock-up shop; near centre of the town; rent £75 per annum; takings average £30 per week; low overhead expenses; for disposal on basis of stock and fixtures at valuation. Further particulars from Trustee, Mr. O. H. Jelley, Incorporated Accountant, Drury Chambers, Market Square, Northampton.

SOUTH COAST.—Old-established Dispensing and Prescribing Business in central good-class residential district; low rent and rates; well stocked and fitted; takings £20 to £25 per week, gross profit 40 to 45 per cent.; no opposition; excellent reasons for selling; price £1,300. 165/37, Office of this Paper.

SOUTHEAST-ON-SEA.—Chemists; double-fronted shop, with good living accommodation; low rent; well stocked; trade £20 per week; price £350, all at. Station Estate Office, Prittlewell.

EXCELLENT Little Business for Sale; good position, N. London; doing about £26 weekly; nicely fitted; well stocked; 6 rooms; side entrance; little Optics; plenty of scope; price £750; low rent; good lease. 157/4, Office of this Paper.

FOR SALE.—One of the Finest Wholesale and Retail Chemist Businesses in the country; combined sales exceed £10,000 per annum, with a gross profit of over £2,000, averaging 25 per cent. of the turnover; easily worked, with comparatively low overheads, and in the most progressive industrial town in the Kingdom, having a population of 40,000 and pulling on an area of 60,000 to 70,000 people. Double-fronted Retail Department in the finest strategic position to command access of one-third the town's population. Included in the sale are several registered trade marks which are household words in the area worked. Sales of own Proprietaries run into many thousands of articles annually. Retail Department has an account with every Doctor in the town and also with several from nearby villages. Panel Prescriptions average between 1,250 and 1,500 per month, and in addition a large number of Private Prescriptions at good prices. Present owner has built up a Prescribing connection second to none in the county and estimates last year he had over 7,000 patients of his own. Unemployment in the town now negligible, about 600 or 800, or less. Retail turnover is about £4,000, all cash. Owing to the Prescribing Retail Side, with its other professional connections, present owner has been compelled to leave the Wholesale side to more or less take care of itself. The Wholesale could be doubled in no time by two active partners, one of whom need not be Qualified if experienced as Traveller. Stock at Wholesalers cost £3,789, all in first-class clean, saleable condition; Premises freehold and in first-class repair, having been suitably adapted to the needs of the business; rateable value only £75 per annum. Agencies: Arden, Rexall, Ucal, Selco, Ayer, Innova, etc.; No mere enquirers entertained or replied to. Every investigation courted and any trial given. Accountant's figures supplied. Only those submitting bankers' references that are satisfactory will receive a reply. Valuation terms basis of sale. Two independent recognised trade valuers acceptable to vendor. This is the opportunity you have been waiting for. Apply 261/473, Office of this Paper. No offers; no partners; no stunts; straight as going concern sale only considered.

HIGH CLASS Pharmacy on South-East Coast; good season and fair winter connection; returns about £1,700; health resort; large single shop, with rear and side entrances; good living rooms over; well stocked; banker's reference; no agents. Apply 261/462, Office of this Paper.

LARGE Manufacturing Town (Lancs).—Main-road Business for Sale at a sacrifice; stock and fixtures worth about £540; will accept £400 cash down for quick sale; rent £60, rates £30 p.a.; N.H.I. average 600 per month; Kodak, Selco, Ucal Agencies; living accommodation. 167/25, Office of this Paper.

MODERN Pharmacy, London, N.W., with no near opposition; double-fronted shop, next to Surgery; returning over £250 net under management; excellent opportunity for considerable increase; scope for Optics; long lease, low rental; price £425 inclusive, comprising value of stock and fixtures only; no goodwill asked as immediate sale desired. 165/50, Office of this Paper.

MODERN Pharmacy, situated in busy thoroughfare; handsomely fitted and well stocked; modern flat over; takings £27 per week, ample scope for improvement; admirably suited for energetic young man; price all in £500. 165/55, Office of this Paper.

OLD-ESTABLISHED Business in busy main street; splendid opportunity for energetic man; return capable of considerable increase; sale to company entertained; S.E. Coast town; owner retiring. 165/21, Office of this Paper.

POPULAR South Devon Seaside Resort.—Exceptional opportunity for Qualified Chemist to acquire Drug and Photographic Store situate main street and embracing suburban traffic; definite opening for Dispensing; freehold property; shop and 10 rooms, part sublet; valued £2,500, stock, fixtures, etc., £1,000; might consider lease. 165/42, Office of this Paper.

UNOPPOSED Drug Store, with Kodak Agency, 30 miles London on main road; definitely requires Qualified man; unlimited scope; rapidly growing neighbourhood; good living accommodation, with garage and good garden; modern premises and fittings; a chance not to be missed. Further particulars 164/27, Office of this Paper.

BUSINESSES WANTED.

REQUIRED immediately, six substantial Businesses in London or Home Counties; turnover £2,500 per annum up to any amount (the larger the better); good prices will be paid for suitable propositions, which can be purchased forthwith. Prospective vendors are invited to communicate in strict confidence with Ernest J. George & Co., 329 High Holborn, W.C.1.

APARTMENTS.

THE HAMPDEN RESIDENTIAL CLUB

FOR GENTLEMEN, Hampden Street, N.W.1. Close to King's Cross and Euston. 300 Bedrooms. 12s. 6d. to 25s. per week, including bath, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Euston 2244/5.

PREMISES TO LET.

LONDON ROAD, NORBURY.—Excellent Shop, self-contained flat over; splendid position for Chemist; neighbourhood fully developed; modern premises, eminently suitable for Chemist. Bates, 27 Queen Victoria Street, E.C.4.

RUISLIP HIGH STREET.—Applications are invited by Messrs. Williams Brothers Direct Supply Stores, Ltd., from traders who would be interested in opening premises in an important new Parade now being erected in this busy High Street; premises will be ready for Autumn and Christmas trading; reasonable rentals; shop-fronts can be arranged. Write, Estate Department, 37 Blackstock Road, N.4.

WORTHING.—New Parade of Shops in main road; populous and rapidly growing district; excellent opportunity to establish a new business or open branch; little opposition; large shop and excellent living accommodation; rent £125 p.a.; owner will supply shop front and fittings by arrangement. Apply Daniels, 11 Montague Place.

TO LET.—Chemist or Chemist-Optician; corner shop premises; two display windows; main road; tram stage; dense population; good working-class district; three Doctors near; house attached; vacant; decorated throughout; no ingoings; splendid chance smart man; N.H.I.; cotton mills near.—Smith, 11 Rowsley Avenue, Bolton, Lancs.

PARTNERSHIPS.

MANUFACTURING Firm with Speciality desiring London connection can absorb on reasonable terms existing business with a score of good lines and real live connection; full particulars to bona fide applicant. Apply 164/15, Office of this Paper.

AGENCIES.

AGENTS wanted with Chemists' connection to sell Royal Physician's Digestive Tea in ½-lb. cartons; agents' commission 2d. per lb. Address "Tea," Wm. Porteous & Co., Advertising Agents, Glasgow.

REPRESENTATIVES required by old-established firm to call upon Hairdressers and Beauty Parlours only in (1) Midlands, (2) Lancashire, (3) London, (4) Yorkshire to offer attractive Toilet Preparations, both bulk and packed, on liberal commission terms; full-time appointment if satisfaction given; additional agency not objected to, but applicants must be in a position to provide satisfactory references. 261/468, Office of this Paper.

APPRENTICES.

YOUNG Man (28) requires Apprenticeship after August; London area; some knowledge of business. P.C.B. 166/34, Office of this Paper.

SITUATIONS OPEN.

RETAIL (HOME).

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BOURNEMOUTH.—Capable Unqualified Junior Assistant required July 1 to end of September; experienced in Photographic Sales, Window-dressing, and good-class Counter work. Apply, with full particulars, age, height, etc., to A. V. Ison, 5 West Cliff Road, Bournemouth.

BRIGHTON.—Unqualified Junior; outdoor; male; state age and give full particulars of experience, salary required, etc.; interview to be arranged; applications not answered in four days declined. Ashton, 46 Dyke Road, Brighton.

CARDIFF.—Smart Junior Assistant required, Unqualified; must be efficient Window-dresser and reliable Dispenser. State age, salary and experience, together with photograph, to Robinson, 154 Whitechurch Road, Cardiff.

CRANLEIGH.—Unqualified Lady Assistant for 2 months at least. Full particulars to Hillman Attwell, Ltd., Cranleigh, Surrey.

EAST LONDON.—Young Qualified Man required; must be quick, accurate Dispenser; apply, stating salary required, experience and earliest date available; photo if possible. Replies to 165/53, Office of this Paper.

HAYWARDS (BIRMINGHAM), LTD., have an immediate vacancy for competent Junior Assistant requiring permanency. Applications to 90 Aston Road North, Birmingham, 6.

LEEDS.—Unqualified Junior required; give full particulars in first letter; replies treated in strictest confidence; local man preferred. 167/23, Office of this Paper.

LONDON, E.—Assistant (Qualified preferred, but not essential); until end of September; possible permanency; middle-class trade and N.H.I. Dispensing; give full particulars of experience, names of references, when disengaged, age and salary required. Apply (letter only) "Chemist," 37 Sydenham Road, London, N.16.

LONDON, E.—Assistant (25-30); Unregistered; Salesmanship, Window-dressing and Business Acumen more important than technical ability; no Sunday; no Dispensing; fixed salary; commission on sales and business increase. State fully age, experience and salary expected to Hankinsons, Ilford Lane, Ilford.

LONDON, N.W.—Qualified Manager (age 30 to 40) required for medium-class business; competent Buyer and Stock-keeper; roomy living accommodation available; genuine opportunity for interest in the business. 167/8, Office of this Paper.

LONDON, S.W.—Holiday Relief Assistant wanted (Unqualified) July 6 to August 2 inclusive; must be of good appearance and address and accustomed to N.H.I. Dispensing, Counter and Stock; first-class references required; no enclosures in first application. M. Q., 165/7, Office of this Paper.

LONDON, W.2.—Wanted at once, Qualified Male Assistant (about 24) for a High-class Dispensing Business; London experience preferred. 167/10, Office of this Paper.

WEST OF ENGLAND.—Required, capable Assistant for High-class Business; permanency and good living accommodation offered to suitable man. Apply, giving full particulars salary required and copies of references, to 165/15, Office of this Paper.

WEYMOUTH.—Qualified Assistant (25-30) wanted by July 1 in good-class Dispensing business; permanency to suitable man. Apply, stating full particulars and salary required, Gregory, St. John's Terrace, Weymouth, Dorset.

ASSISTANT (Unqualified); experienced Dispensing and Window-dressing; state age, married or single; permanency. Davy's, 181 High Street, Penzance, S.E.20.

ASSISTANT wanted, young, Qualified, for permanency; full details as to salary, experience, etc.; photo if possible; start June 24. Smiths, Ltd., Highfield Pharmacy, Keighley, Yorkshire.

DISPLAY Man for Windows and Counter; able assist Sales if necessary; full particulars experience, age, salary. Also Wanted.—Assistant for Photographic Counter. Bathes, Ltd., 24 Fleet Street, Torquay.

EXPERIENCED Qualified Locum at once. Cordey, Chemist, 28 Amptill Road, Bedford. Phone: 3484.

IMMEDIATELY (Permanency).—Assistant for West End Pharmacy. Applicants who possess good selling ability, tact, courteousness and pleasant counter manner, write, with confidence, stating full particulars, age, salary and enclose snap, 165/45, Office of this Paper.

JUNIOR or Improver, Male (about 20); one just out of apprenticeship would suit; full particulars to Hall, Chemists, Raynes Park, S.W.20. Applications unanswered in 7 days declined with thanks.

JUNIOR or Improver (Male) for good-class Country Business in Surrey; must be conscientious and willing; interview if possible; references salary and particulars of experience, etc. 165/25, Office of this Paper.

LADY Assistant for light Dispensing, with opportunity to gain Counter and Window-dressing experience; one having recently passed Hall Examination would be suitable, but not essential. Apply Grey Friars Pharmacy, 11 Grey Friars, Stafford.

LADY Assistant (Qualified preferred) for Sutton, Surrey district; wanted at once; reliable Dispensing and Counter experience; good references essential; please state full particulars in first letter, age, height, etc. 167/13, Office of this Paper.

PHOTOGRAPHS, TESTIMONIALS, &c.

When answering advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. As can be readily understood, when an advertiser receives from 100 to 150 replies the task of returning photographs, testimonials, &c., is one of some difficulty.

LOCUM, Qualified, for July (3 or 4 weeks); London, S.E.; Light Retail and N.H.I. Age, wages and when free to P.C.B. 166/23, Office of this Paper.

LOCUM, Qualified, for small South Coast business; to take charge single-handed; last week June or early July; state terms and references. 165/9, Office of this Paper.

LOCUM (Qualified Lady) required, from July 8-27 inclusive. Please write, with full particulars, to W. A. Wood, 351 High Street, West Bromwich.

LOCUM, Qualified, required, July 15-July 27 inclusive; please state salary required. R. H. Bridger, 180 Wood Street, Walthamstow, E.17.

LOCUM wanted; Doctor's Dispenser; August 11th to 27th, inclusive. 165/44, Office of this Paper.

LOCUM, young, Qualified, required for 4 weeks, August 12-September 7 inclusive; energetic and reliable Dispenser. Apply, with full particulars and salary required, to Strange, Chemist, 197 Lower Clapton Road, E.5.

MANAGER (25-35) for branch shop; must be of good appearance and height; experienced Counter and Window-dresser; state age, married or single; permanency. Davy's, 181 High Street, Penge, S.E.20.

QUALIFIED Assistant (about 26) required; capable Dispenser; accustomed to good-class business, Agriculture, Photography; occupy premises over pharmacy; state full particulars of experience, age, height, salary required, photo if convenient, references (which must be undeniable). Gwillim, Chemist, Brecon.

QUALIFIED Assistant for season; good Toilet and Photographic Sales experience; must be competent and willing worker. Gregory's, Chemists, 75 St. Thomas Street, Weymouth.

QUALIFIED Assistant (male) wanted (between 30 and 40 preferred). Apply, with full particulars age, experience, salary required, etc., to Wm. Fox & Sons, Ltd., 109, 111, 113 Bethnal Green Road, London, E.2 (10 minutes Liverpool Street).

QUALIFIED Assistant required for high-class Retail and Dispensing business; good references essential. Apply, stating age, experience, salary required, to Manager, Henry Davis, Ltd., 37 Northbrook Street, Newbury, Berks.

QUALIFIED Assistant; smart appearance and address; must be quick, accurate and neat Dispenser. Apply, stating age, experience and salary required, to Long & Strickland, 21 High Street, Bognor Regis.

QUALIFIED Assistant wanted (locum or permanency) for London, W., branch, from June 17. Full particulars to 23 College Avenue, Maidenhead (or 'phone Maidenhead 801).

QUALIFIED Lady as Superintendent for small business; light work, comfortable post. Apply, stating age and salary required, Mrs. S. Hambrook, The Tower Pharmacy, 40 Tower Hamlets Road, Dover.

QUALIFIED Lady or Gentleman, young, required to manage branch; must be good Dispenser and Window-dresser; one seeking permanency preferred. Apply in writing, stating age and enclosing copies of testimonials, C. A. Moore, M.P.S., 350 Eastern Avenue, Ilford.

QUALIFIED Lady required for Counter and Dispensing; market town 25 miles from London; state experience, salary, etc. Richards & Bowring, Ltd., The Pharmacy, Wickford, Essex.

QUALIFIED Lady to manage small branch in charming country village; light post; no Sunday or half-day duties; salary £3 3s. per week plus 5 per cent. commission on own proprietaries and liberal share of profits. Photo and full particulars to L. Rowland & Co., Ltd., Chemists, Mitre Buildings, Wrexham.

QUALIFIED Man (25-30) required; experienced N.H.I. Dispenser, with knowledge of Photography; for Middle-class Retail Pharmacy; permanency; moderate salary; all applications not answered in 7 days respectfully declined; interview or write. Braun, 51 St. Peter's Street, Islington, N.1.

QUALIFIED Manager (30-40) wanted immediately; entire charge of suburban business; flat available; experience in modern business methods essential; good salary and commission; cash fidelity bond required; full particulars in first letter; interview London, Monday. Philip Hudson, Chemist, Wisbech.

QUALIFIED M.P.S., J.C.Q.O. (25-30), experienced, capable of control; must be competent Refractionist; congenial and progressive permanency; excellent living accommodation if required. State full particulars first letter, salary existing and required, whether married or single, when disengaged, age, height and enclose recent photo to Mr. S. F. Body, Body's Pharmacies, High Street, Southend-on-Sea.

QUALIFIED; to take charge of small business; locum or permanency; lady preferred, but not essential; start at once if possible; no Sundays; applicant must be keen and reliable, and well recommended; state age, wages, etc.; near London. 262/476, Office of this Paper.

SEASON Assistant, Unqualified, wanted early July; about 3 months; Light Retail, Dispensing, with Photography. Apply, giving particulars, age, experience, salary required, with references, to The Walton Pharmacy, Old Pier Street, Walton-on-Naze, Essex.

SMART Qualified Assistant (about 25) wanted in good-class business immediately; efficient Dispenser, Counterman and Window-dresser; willing and obliging; 12 miles out. Apply, giving full particulars of experience, references and wages required, to "Pharmakon," 164/7, Office of this Paper.

UNQUALIFIED Assistant, male (about 22 years), required for season until end of September; one entering College in October preferred. Apply, giving full particulars and when at liberty, to H. J. Hewlett, John Bailey & Co., 2 Ethelbert Terrace, Cliftonville, Margate.

UNQUALIFIED Assistant (male; under 30) required for about 10 weeks' relief work, with possible permanency; S.W. London district; must have served regular apprenticeship and have good all-round experience; state age, height, salary required and when at liberty. 165/51, Office of this Paper.

UNQUALIFIED Assistant (35-45) for Dispensing; married; night bell attendance; flat provided; High-class Dispensing experience essential; London suburb; state age, experience, salary required. 165/6, Office of this Paper.

UNQUALIFIED Lady for Padstow branch; season, with possibility of permanency; knowledge of Toilet, Photographic Goods an advantage. Send salary required, age, testimonials, date free and snap. Raymond Smith, Chemist, Newquay.

UNQUALIFIED Male Assistant wanted immediately; permanency; experienced N.H.I. and Window-dresser. Write, giving references, salary required and usual details, to D. L. George, 63 Whitehorse Road, Croydon.

URGENT.—Locum, Qualified, required from June 17th (or during week) for 8 weeks (consecutive); quick Dispenser and Photographic knowledge; Counter help given; state age, experience, salary required. Hazell, 5 The Colonnade Bridge Road, Woolston, Southampton.

WANTED for season, Junior Assistant, Qualified (or one taking the July examination); outdoors. Apply, with full particulars, age, height, experience and salary required, Pyman, Chemist, Westgate-on-Sea.

WANTED.—Junior Assistant (about 20); suit young man just completed apprenticeship; salary 30s. weekly. Apply, giving details of experience and copies of testimonials, to J. Miles Thomas, Chemist, Barry Dock, Glam.

WANTED, Qualified Gentleman or Lady; permanent; early date; quick, accurate Dispenser and Counterman; able to take charge at times; state age and references. 165/18, Office of this Paper.

WANTED.—Unqualified Assistant immediately for 3 months. Apply Oakes, Chemist, 76 St. Albans Road, Watford.

WOODLANDS CHEMISTS LTD., have several vacancies for really smart Qualified Managers; must be good Prescribers and Countermen; permanencies to suitable applicants. Please send full particulars as to experience, age, salary required, when free and references to G. M., Woodlands Chemists Ltd., 34/40 Ludgate Hill, E.C.4.

YOUNG Qualified Assistant required for high-class Pharmacy, London, S.W. Please send particulars of experience, age, height and salary (which must be moderate) to 165/27, Office of this Paper.

YOUNG Unqualified Assistant for Counter and N.H.I.; must be reliable Dispenser and good Window-dresser. Write, stating salary required and full particulars, to S. Paddon, M.P.S., 657 Attercliffe Road, Sheffield.

WHOLESALE.

CLINICAL Thermometer Manufacturers of repute require Representatives, all areas, to handle manufactures on liberal commission basis; only experienced men having fully established connections among Retail Chemists and/or Hospitals, etc., considered. Write, giving fullest particulars of record and territory covered, 165/22, Office of this Paper.

EXPERIENCED Salesman required for sale of Malted Milk and Malt Extract Products; only applicants calling on the Chemist and allied trades considered. Reply in confidence, full details, present territory covered, to 165/26, Office of this Paper.

AN unusual opportunity for (Continental) Pharmaceutical Chemist with thorough knowledge of the English language acquired through several years' residence in the United Kingdom.

Large Continental firm (manufact. chem.) of highest standing and international repute offers

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in head office to keen and energetic gentleman with experience gained with firms of prestige in the branch of proprietary medicinal specialities. Must be thoroughly conversant with the international pharmaceutical trade. Apply, giving full particulars of previous experience, stating age and enclosing photograph, to 261/466, Office of this Paper.

FOR LONDON AND SOUTH COAST.—Commission Salesman required by Old-established House; Packed Goods, Customer's Own-Name Razor Blades, Perfumes, Perfume Sprays, etc.; non-competitive line not objected to; give fullest particulars in confidence first letter. 261/467, Office of this Paper.

IMPORTANT Perfumery House requires Manageress for Beauty Products side; thorough knowledge of latest methods of Beauty Culture and experience in marketing its requisites is essential. Reply, stating qualifications, age and salary required, to 262/474, Office of this Paper.

MANUFACTURING Chemists require Salesmen in Midlands and London area to carry, on liberal commission basis, attractive lines, several nationally advertised, in addition to present agencies; good opportunity for right men. Full particulars, in confidence, 262/475, Office of this Paper.

OLD-ESTABLISHED and Well-known London House, dealing in Proprietary Medicines and Cosmetics, requires Salesman as Representative to call on Chemists in Lancashire and North Wales and districts; only experienced Salesman with good connections in these territories; residence on ground essential. Write details to "C. R. E.," 261/472, Office of this Paper.

OWING to reorganisation of Selling Staff of well-known firm handling widely Advertised Products, splendid opportunity for first-class Representatives on good commission basis for the following territories: North and South Wales; Devonshire and Cornwall; Somerset, Dorset, Wiltshire and Gloucestershire; Midlands; Northern Ireland; only those with first-class connections amongst Chemists and Druggists need apply. Write 261/469, Office of this Paper.

PILLS AND TABLETS.—Required a Competent Man for first-class work; able to take control. Apply, stating age, experience and salary required, to Lofthouse & Saltmer, Ltd., Hull.

POWDER PUFFS, SPONGE BAGS, ETC.—Agent wanted, calling on Best to Medium Retail Stores; commission only. 164/3, Office of this Paper.

PROPRIETORS of a First-class Beauty Product already selling and advertised in this country would like to meet Representatives having a good connection with exporters to British Empire, America and South America. Appointment and interview can be arranged by writing P.C.B. 166/32, Office of this Paper. Give telephone number where possible.

REPRESENTATIVES Required, London and Provinces, with sound connection with Wholesale Chemists, Hairdressers' Sundries, Stores, etc., to introduce an exceedingly interesting and highly successful patented line; good commission; only first-grade men considered. Write fully, in strict confidence, stating territory covered, lines carried, Philli-Mirano Co., 273 Union Street, Blackfriars, London, S.E.1.

RESIDENT Representative required to call on Opticians and Chemists in the Midlands and North of England; Optical qualifications necessary and some Pharmaceutical experience; applicants (under 35) should give full particulars of education, experience and age. Apply 261/470, Office of this Paper.

SITUATIONS WANTED.

RETAIL (HOME).

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

A.A.A.—QUALIFIED Man (35); tall and energetic; all-round experience West End, seaside and country; desires permanency; Senior or Manager; free June 16th; excellent testimonials. "Aber," 4 The Parade, Southborough, Bromley.

A.A.—ASSISTANT (25; 6 ft.); Part I; locum or permanency; 8 years' high-class West End; disengaged; London preferred. "R. E.," 68 Lefevre Road, Bow, E.5.

A.A.—LOCUM or Permanent; Senior; highest experience and references; tall; unregistered; Photographics; London, Provincial; disengaged. "Mac," Wotton-under-Edge, Glos.

AN Experienced Qualified Man seeks a permanency; West of England preferred; references good; disengaged by arrangement. M.P.S.(Lond.), 167/20, Office of this Paper.

ACTIVE, Elderly Pharmacist; Dispensing, Superintending; good appearance and address; terms moderate; North London preferred, or easy access King's Cross. 167/12, Office of this Paper.

AS Locum; Assistant or Relief; West End experience; free now; unregistered. Little, c/o 196 High Street, Hounslow.

AS Manager or Superintendent; Qualified; middle-aged; active; long experience entire control; view succession or profit-sharing arrangement entertained if considerable increase possible; West Sussex. 167/18, Office of this Paper.

ASSISTANT, Unqualified; experienced Dispensing Counter, Photographics; part time or permanency, locum; disengaged July 1st; London and suburbs only. Write "C. G.," 2A Yalding Road, Bermondsey, S.E.16.

BIRMINGHAM or Midlands preferred, but not essential; thoroughly experienced; well recommended; locum work undertaken. Hanley, c/o 180 Lozells Road, Birmingham.

CAPABLE Manager, Qualified; London only; good references; experienced in all duties; abstainer. 167/33, Office of this Paper.

CHEMIST-OPTICIAN and experienced Chiropodist, well educated, tall, obliging, desires change; permanent or locum; moderate salary; Nottinghamshire or Derbyshire preferred, but not essential. Apply Westfield Lane P.O., Mansfield.

CHEMIST-OPTICIAN, M.P.S., F.S.M.C. (30), at present managing large store, with 6 years' managerial experience and exceptionally good experience of Buying, Photography, Surgical and Dispensing, seeks responsible position in few weeks' time; London area preferred; excellent references; interview. 165/24, Office of this Paper.

EXPERIENCED Locum (40), Unqualified, invites offers, July 22 to August 10; undeniable references. "Trustworthy," 21 Disraeli Road, Putney, S.W.15.

EXPERIENCED Qualified Locum or Relief; free from August 5th; £4 10s. to £5 5s. Harris, c/o Norfolk Lodge, 61 London Road, Enfield.

LADY Dispenser desires post, temporary or permanent; Apothecaries' Hall qualification; experienced; can type. Tyrwhitt, 211 Addiscombe Road, Croydon.

LADY Dispenser, Hall qualification, matriculation, desires post with Chemist, Doctor or Hospital. Miss Palmer, "Glencairn," Ramsey, Huntingdon.

LADY Dispenser (22); Hall qualification; 5 years' first-class experience in one of the finest pharmacies in England; excellent testimonial; disengaged; London district or large town preferred. Apply N. Davey, "Anstey," Chilbolton, near Stockbridge, Hants.

LADY, M.P.S., desires post London; good experience private Dispensing and N.H.I.; suburbs and West End; free July 6. 167/15, Office of this Paper.

LOCUM, Qualified (28); July, August, September; London only; local references; interview; salary £5. "Chemist," 56 Lawford Road, N.W.5.

LOCUM, Qualified, middle age; well recommended; active, reliable; been in own business. "M.P.S.," "Brien," Featherbed Lane, Exmouth, S. Devon.

LOCUM; vacant dates June 17th to July 10th; town or country; highest references. "Chemicus," 56 Rudloe Road, Balham, S.W.12.

MIDDLE-AGED Lady, Unqualified, as Assistant; many years' experience (London); willing to assist in Light Household duties; country or seaside preferred. "Southampton," 164/23, Office of this Paper.

NAMES AND ADDRESSES.

When sending advertisements for any of the sections in this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not followed and delay and disappointment ensue. Strict attention to this detail will be appreciated.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.

Why keep them any longer? Turn them into CASH. I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers, Cards (any sizes), Old Photo Goods or Cameras, Bromide Papers, Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Road, Liverpool

M.P.S., F.B.O.A. (33), experienced, in responsible post, seeks similar one in South, S.W. or S. Wales; own Optical Equipment. 165/14, Office of this Paper.

PHARMACIST (39), who has had 14 years of managership in Midlands (the latest 10 years also completely responsible for supervision of chain of 8 other branch shops in addition) desires post as Manager or Assistant in or near Bournemouth with view to succession; some capital available; would suit proprietor who wishes to "ease off" preparatory to retirement; engagement terminates September 30th, but ready to start negotiations immediately. 163/9, Office of this Paper.

QUALIFIED Chemist (25), now with sole charge of small pharmacy, desires change; permanency; free one month. 164/21, Office of this Paper.

QUALIFIED Manager (28), single, desires change; General and Agricultural Retail and Hospital experience, with excellent references; free one month. 165/3, Office of this Paper.

TALL Scotsman (21) desires situation as Unqualified Assistant for 10 to 12 weeks; clean, accurate Dispenser; quick Counterman; undeniable references; go anywhere; free July 8. 168/3, Office of this Paper.

UNQUALIFIED, capable, energetic Assistant or Drug Store Manager; excellent references; moderate salary; disengaged. "Rex," 26 Roselyn Avenue, Blackpool.

WHOLESALE.

A LIVE Representative, 16 years' experience, whole of London, Chemists, Hairdressers and Stores, open to consider really well-known reputable house; actual records of ability and salesmanship; exceptional credentials; own car. 146/42, Office of this Paper.

CAPABLE Young Man seeks situation with Manufacturing Chemist; 18 years' Counter work; excellent references. Gardner, 35 Effingham Road, Lee, S.E.12.

EXPERIENCED Representative (31), excellent connection Midland area, Drugs, Patents, Sundries, with Retail and Wholesale Chemists, desires post with reputable house; own car. 163/1, Office of this Paper.

FOREWOMAN seeks work in factory; used controlling large staff of female labour; experienced Labelling and Wrapping. "M. B.," 47 Lowden Road, S.E.24.

LABORATORY Worker with long experience in the Manufacture of Toilet Preparations, etc., seeks berth; good knowledge of Chemists' and Hairdressers' Sundries; used to control of staff; moderate salary for progressive position. "C. A.," 22 Blackstock Road, Finsbury Park, N.4.

PACKED Goods, Patents, etc., Manufacturing and/or Wholesale Trade.—Advertiser (33) seeks progressive appointment; excellent experience Costing (from manufacture to finished article), Buying, Works figures, Stocks, Organisation, Management; salary from 85s.; suitable manager distributing depot, costs clerk or similar. 165/39, Office of this Paper.

REPRESENTATIVE, expert Medical Propagandist, thorough knowledge and long experience in Marketing Specialities, requires position with good-class house for Southern Counties and West. P.C.B. 166/33, Office of this Paper.

SALES Managers.—Have you a vacancy for a "go-ahead" Salesman with personality and initiative? Shall be in London next week, June 16-22. Welsh territory known. 167/26, Office of this Paper.

TO MANUFACTURERS.—Representative with outstanding Chemists' connection, open for engagement; would undertake full sales and organise house-to-house sample distribution if desired; just completed similar scheme, resulting in 94 per cent. sales with Chemists in Lancs. 262/478, Office of this Paper.

TRAVELLER, London district, wants to join good London house of Wholesale Chemists and Druggists; could bring along good connection of personal customers, Chemists and Doctors; own car. C.C.B. 166/15, Office of this Paper.

LIMITED LIABILITY COMPANY REGISTRATIONS

The prudent man makes his position, and that of his dependents, secure by Limiting his Liability. Costs are not high if the work is placed with **THOS. WATTS & WALKER LTD.** who effect registrations North, South, East and West, and you are invited to communicate with them.

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M.P.S., F.B.O.A.—MANAGER, last 4 years large pharmacy Tropical Africa, desires situation abroad; thoroughly conversant all branches, including Clearing and Forwarding, Indenting, Costing, Photography, Technique of D. & P.; expert refractionist; fluent French. Write "A. T.," c/o Streets, 6 Gracechurch Street, London, E.C.3.

FOR SALE.

(Articles to the value of £5-£50.)

ABRO Filling Machine for Granules, Grain, Powders or Salts; gravity feed; weight operated; takes various weight packages up to 1 lb.; large hopper; practically new, in use only 4 months; original cost £38 10s.; can be inspected London. Write Box 115, L.P.E., 110 St. Martin's Lane, W.C.2.

CASH REGISTER BARGAIN.—"National"; in perfect order; prints every sale and gives grand total; good reason for selling. Write R. Perry, 43 St. Mary's Square, Kennington, S.E.

GLASS Revolving Silvering Pan, made by J. M. Lehmann of Dresden; complete with F. and L. pulleys for power drive; available for inspection; £16 10s. ex works. 261/471, Office of this Paper.

NATIONAL Cash Register; in perfect order; hand or electrically operated; A.B.D. Keys, Cash Adding and Ticket Issuing; cost £100. What offers? A. W. Pratt, 101 Warwick Road, Kenilworth, Warwickshire.

NO. 1 Roneotype Printing and Duplicating Machine, with Typewriter Gravity Fount, 8 Founts Printing Type, extra long brass segment, flexible form and attachment, etc.; full equipment for printing memos, handbills, circulars, wrappers, labels, price lists, cartons, show cards, etc.; cost approx. £96; will accept half cost; free demonstration, tuition and service by Roneo. 163/7, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words or less; 1s. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CHEMISTS' FITTINGS.—We hold an immense stock of Drug Fittings, Dispensing Screens, Glass-fronted Counters, Perfumery Cases, Nests of Drawers, Wall Cases, Silent Salesmen, Upright and Flat Counter Cases, Plate Glass Counters, Cash Tills, Display Stands and Glass Shelves, etc., at competitive prices. F. MAUND & E. BERG (SHOWCASES), LTD., Shop Fitters and Shop Front Builders, 175/9 Old Street, London, E.C.1.

LIMITED COMPANY REGISTRATION.—An ever-increasing number of Chemists are protecting their assets against illness or accident by this form of safety trading. The cost has recently been reduced to from £10, inclusive of stamp duties and my fee, etc.; 25 years' experience; write me for free advice. A. BERNARD SLACK, 721 Princess Road, West Didsbury, Manchester.

CP—COMPLETE CHEMIST FITTINGS at any price you wish to pay. We have erected in our showrooms a Complete Chemist's Shop with Metal Shop Front, Window Backs, Correct Window Lighting Signs and Modern Interior Fittings. Apply for Lists. D. MATTHEWS & SON, LTD., "The Liverpool Shop Fitters," 14 and 16 Manchester Street, Liverpool.—Est. 1848.

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2d. per word, minimum 2s. (Box No., 1s. extra.)

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NATIONAL Cash Register; sound condition. Write P.C.B. 166/28, Office of this Paper.

Are you near the end of your Financial Year?

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This edition differs from the first two editions mainly in the more convenient grouping of classes of goods in which grouping was found to be practicable: veterinary medicines, photographic goods and packed preparations are examples. In addition, the number of blank pages has been increased, so that there may be ample space for entering stock not readily seen to fall under any of the printed headings. Used in conjunction with the *C. & D. Retail Price List* it enables the chemist to do his own stocktaking quickly, cheaply and efficiently. Contains 54 sheets in pad form.

Price 2/6, post free

J. T. P. (23/14) writes:—"Please send me a pad of the *C. & D. Stock-taking Sheets*, for which I enclose 2/6. I found it a great *time-saver* last year."

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THE CHEMIST AND DRUGGIST

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